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TELEPHONE : CENTRAL 6565.
TELEGRAMS : "CHEMICUS,
ESTRAND, LONDON" (2 words)

PUBLISHED WEEKLY AT 28 ESSEX ST., STRAND, LONDON, W.C.2

SUBSCRIPTION (WITH
DIARY) 20/- PER ANNUM
SINGLE COPIES 9d.

No. 2626.

JUNE 7, 1930

- Vol. CXII.

ANÆSTHETIC ETHER (Keith's)

This Ether is manufactured from duty free Alcohol to which no Methyl Alcohol, Pyridine or Wood Spirit has been added.

**FREE from ALDEHYDES, PEROXIDES, ACETONE,
AND OTHER IMPURITIES.**

SAMPLES ON REQUEST.

J. F. MACFARLAN & CO.

109 Abbeyhill, EDINBURGH - 32 Bethnal Green Road, LONDON, E.1

For over 100 years

Howards' Bicarbonate of Soda

has enjoyed a unique reputation on account of its extreme purity and its freedom from the slightly nauseating taste usually associated with the product. It might have been supposed that the sales of this Proprietary would gradually fall off through competition or change of fashion, but, on the contrary, Howards' Product continues to establish itself more and more firmly in popular favour, alike with the Trade and the Public. The sales have doubled in the last few years and continue steadily to forge ahead.

W. J. BUSH & CO.

LIMITED

DISTILLERS AND IMPORTERS OF PHARMACEUTICAL

ESSENTIAL OILS

MANUFACTURERS OF

FLAVOURING ESSENCES

FOR ALL PURPOSES

AND

FINE CHEMICALS

SPECIALITIES

ACETANILIDE, B.P. 1914
METHYL SALICYLATE
SODA SALICYLATE

SALICYLIC ACID
COUMARIN "BUSH"
CHLOROFORM

VANILLIN "BUSH"

Tel. Ad. : "TANGERINE, LONDON."

Tel. No. : CLISSOLD 0461 (6 lines).

CHIEF OFFICES

Ash Grove, Hackney, London, E.8

FACTORIES AT

MITCHAM, Surrey

WIDNES, Lancashire

*BRANCHES at - - GRASSE, MESSINA, MELBOURNE, SYDNEY,
NEW YORK, CHICAGO, MONTREAL, TORONTO, JOHANNESBURG*



“DULCIFLOR”

BRAND

(REGISTERED TRADE MARK)

COMPOUND FLORAL OILS FOR SOAPS
PERFUMERY OTTOS
SYNTHETIC PERFUMES
TOILET WATER CONCENTRATES

Samples on request.

Estd 1882

STEVENSON & HOWELL
LIMITED

Standard Works, Southwark St.
LONDON S.E.1.

**DEFINITELY
EXPIRES
JUNE 30
ORDER NOW**



Bonus of 3 Tubes Free to the Dozen

ON one order placed before June 30th, 1930, every chemist will receive a special bonus offer of 3 Tubes free to the dozen in addition to the usual 33 $\frac{1}{3}$ trade discount and 5% cash discount. Minimum quantity three dozen (1/6 size, 3/- size, or assorted). Maximum order £10 on trade prices.

You practically DOUBLE your money under this special bonus offer. Order NOW—offer definitely expires June 30th, 1930.

All we ask of you in exchange for this offer of Free Goods is a prominent window display of a beautiful new Veet Centrepiece No. 130 for at least 14 days.

BIG SUMMER ADVERTISING

Summer advertising commences immediately in leading national Dailies and woman's magazines—the greatest advertising campaign for a depilatory ever seen in this country. Count your stocks at once! Make sure you can supply the many new customers this advertising will bring to your shop.

VEET

*Bought under this Special
Offer shows over*

90% PROFIT

SEND THIS ORDER TO - DAY

DAE HEALTH LABORATORIES, Ltd.
68 Bolsover Street - - London, W.1

.....1930

Send at once on your Special Bonus Terms.....dozen Tubes Veet (1/6 size).....dozen Tubes Veet (3/- size) with **BONUS OF THREE TUBES TO THE DOZEN**, in return for which I agree to display prominently in my window for 14 days before July 15th, 1930, Veet Centrepiece No. 130.

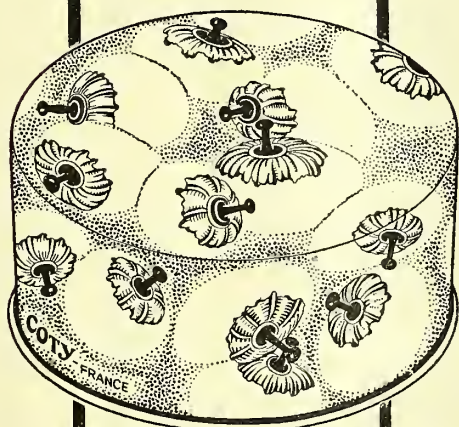
Name.....

Address.....

.....
If goods are to be invoiced
through a Wholesaler give name.....

Special Trial Size Box of **COTY** FACE POWDER at 1/-

**FOR
ONE
MONTH
ONLY**



ACTUAL
SIZE

1/-

Series
059

PER
BOX

MILLIONS of women know and use COTY'S famous Face Powder.

There are still many more, however, who, for some reason or other, have not yet had the opportunity of trying it.

For these we have created a trial size box to be sold at 1/-.

The very same high standard of quality and presentation as the 1/9 box is preserved, *only it is half the size.* During the week June 16-21 this special line, Series 059 is being widely advertised—in fact, all our advertisements during that period will concentrate on this line alone.

Order early so as to ensure delivery.

COTY (ENGLAND) LTD.

Coty House, 3, Stratford Place, London. W.1.

Telephone : Mayfair 7244 - 7249.

Telegrams : Paricoty, Phone, London.

Quin-Quenna

"Better than a Shampoo"

SUPPLIED IN THE FOLLOWING VARIETIES—

ROSEMARY	retail @ 3d. & 6d.	NURSERY	- retail @ 3d.
HENNA	- ,, 6d.	PINE	- ,, 6d.
EGG	- ,, 6d.	CAMOMILE	- ,, 6d.
TAR	- ,, 6d.	PEROXIDE	- ,, 1s.

P.A.T.A. PRICES TO THE PHARMACIST

2/- per dozen **4/-** per dozen **8/-** per dozen

14 PACKETS TO THE DOZEN

PACKED IN ATTRACTIVE DISPLAY OUTERS

ADVERTISING CAMPAIGN NOW IN FULL SWING

BACKED UP BY CLEVER WINDOW SHOWS

Send for
Special
Window Display
Terms

**WILLIAM
EDWARDS
and SONS**

14-18 NILE ST.
CITY ROAD
LONDON, N.1



Send for
Special
Window Display
Terms

**WILLIAM
EDWARDS
and SONS**

14-18 NILE ST.
CITY ROAD
LONDON, N.1

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OLDFIELD, PATTINSON & CO.

Telegrams :
"OPIUM MANCHESTER."

Telephones :
BLACKFRIARS 4682
(2 lines).

Reliable House for all
Pharmaceutical Preparations
and for Personal Service

Concentrated Waters.
Concentrated Infusions.
Essential Oils.

OPIUM
B.P. Tinct. Aqueous Tinct.

Liquid Extracts.
Levigated Ointments.
Syr. Glycero-phos. Co.

"Silver Churn" Dairy Specialities
MANCHESTER

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Supplied in Bulk or Tins at Best Prices

DIAMOND CORN CURE



DIAMOND CORN CURE DISPLAY

Just one of the displays that
can be made with a show of

DIAMOND CORN CURE

THE LINE WITH A FIXED PRICE THAT
SELLS WELL IN ALL DISTRICTS

ORDER THIS PHENOMENAL SELLER and make
a display now—A DISPLAY NEVER FAILS TO PAY

Retail 10 $\frac{1}{2}$ d. per bottle

Wholesale 7/- less 10% Bonus 13 dozen to each gross

CUPAL LTD Blackburn

'Grams: "Cupal, Blackburn."

Manufacturing Chemists,

'Phone: Blackburn 6073.

Roboleine
THE FOOD THAT BUILDS THE BODY

ROBOLEINE contains all essential vitamins:— **B O N E MARROW**: Yellow marrow from the long bones to stimulate formation of red corpuscles and so strengthen the whole nervous system. Red marrow from the rib bones to stimulate formation of white corpuscles and increase resistance to disease. **MALT**, a natural laxative and source of energy. **EGG YOLK**, containing lecithin, the greatest nerve food known. **LEMON JUICE**, neutralised for building bone and preventing skin trouble.

ROBOLEINE corrects Metabolism and is recommended in cases of Malnutrition, Debility, Sleeplessness, Loss of Weight, and in all Tuberculous conditions; also to Nursing and Expectant Mothers as a galactagogue, and as an adjunct in the Dieting of Infants, etc., etc.

ROBOLEINE is concentrated nourishment that revitalises the body and feeds the nerves. Easily assimilable, it is the best reconstructive tonic food available.

WRITE FOR TERMS TO
OPPENHEIMER SON & Co., Ltd.,
HANDFORTH LABORATORIES,
CLAPHAM ROAD,
LONDON, S.W.9



CORRECTION

In last week's issue an announcement was made concerning new Sales and Distributing arrangements for our preparations. The effective date was given as 1st June 1930. This should read

1st OCTOBER 1930

and until that date all orders should be addressed to

Messrs. J. C. ENO LTD
160 PICCADILLY
LONDON W.1

THE J. B. WILLIAMS COMPANY

Do YOU want
some of the Big Profits
within your grasp?

IF YOU DO
make a bold display of
MOORLAND
BRAND
INDIGESTION
TABLETS

and link up YOUR Pharmacy
with the
BIG ADVERTISING
SCHEME

for this wonderful Quick Seller

PLACE YOUR ORDER TO-DAY

W. B. CARTWRIGHT LTD. RAWDON NR. LEEDS

Southalls

(Regd.)

MULTUM IN PARVO

FIRST AID
OUTFITS



This Case, which is of Leatherette, measuring when closed $5\frac{1}{2}$ by $3\frac{1}{2}$ by $1\frac{1}{2}$ ins., contains the undermentioned First Aid supplies :—

Surgical Bandages

Absorbent Cotton Wool

“ Priory ” Wound Dressings

Boric Lint

“ Priory ” Court Plaster

Sewing Outfit

Solid Boric Ointment

Insect Stick

Restorative Essence of Ammonia

Iodine Paint

Bicarbonate of Soda Tablets

Adhesive Plaster

Scissors

Tweezers

Leaflet giving instructions for uses.

UNIQUE IN VALUE

27/- dozen. 1 gross lots **24/-** dozen.

SEND FOR SAMPLE

SOUTHALL BROS. & BARCLAY, LTD.
LOWER PRIORY BIRMINGHAM

Maw's Page



Is your pharmacy a business magnet? Is it a centre of attraction or merely one of a row of shops? Does it draw customers to your counter and hold them there? Does it pull business away from your outside competitors?

Your pharmacy ought to be outstanding. It ought to be impossible to pass without noticing it. It ought to reflect your personality and the proper atmosphere of pharmacy. At the same time it ought to show and sell your goods successfully.

To design and build pharmacies like this is not easy. It requires knowledge and experience of

shopfitting technique and, above all, it demands pharmaceutical training. A good ordinary shop may be a bad pharmacy and pharmaceutical shopfitting is a thing apart.

Maw's are truly pharmacy designers and constructors. They have been bred in the pharmaceutical atmosphere, and have grown up with pharmaceutical traditions. A "Maw" pharmacy combines all that is best in pharmacy with all that is best in business. It is a profit maker and a prestige builder. It is a sound investment, a safeguard of future prosperity.

If you are contemplating any fitting work, from the installation of a simple showcase to complete equipment or reconstruction of a pharmacy, consult Maw's. We will help you with suggestions, sketches and estimates of cost.

S. Maw, Son & Sons, Ltd.,
Aldersgate St., London,
and Barnet.





The 'Aspro' Review

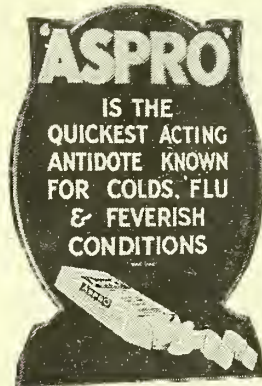


17% Extra Profits.

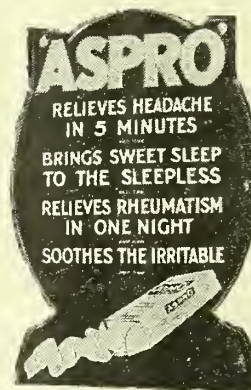
"British to the Core"

New Series Display Features.

**Send COUPON below for this New
'ASPRO' Window Display**



*Printed in ten
colours*



By featuring 'ASPRO' Displays in your window you link up your store to the largest Medicine Publicity Campaign in the World

Following the success of our recent Man-Nurse and Child Display for Chemists and the many letters of appreciation received we have pleasure in announcing a new 3-piece series now ready for distribution. These productions combine suggestion and reasons why customers should enter your store to purchase 'ASPRO.' The sooner you co-operate by featuring 'ASPRO' Displays—the greater is your opportunity of benefiting by the consumer demand created by our huge advertising campaign. Be first in the field by showing this new 3-Piece Display. Simply fill in name and address and post to Gollin & Co. Pty., Ltd., "Aspro" Dept., Slough, Bucks. The displays will be despatched to you promptly.

**17% Extra through buying
'ASPRO' on Bonus Terms.**

The 'ASPRO' bonus on unstamped 'ASPRO' is as follows:— On a one gross order for 10's the bonus is one dozen packets; on half-gross order, $\frac{1}{2}$ dozen packets. Half-gross 10's is the minimum order accepted for Bonus purposes. On a 1 gross order for 27's the bonus is 2 dozen packets, on a half-gross order, 1 dozen packets, and on a quarter-gross order $\frac{1}{2}$ dozen packets. A quarter-gross order is the minimum quantity. There is no bonus on 5's or 60's.

The conditions are that the Chemist who buys on these terms undertakes to display 'ASPRO' Advertising matter in his shop window for 14 days, and sell at advertised prices. As 'ASPRO' is so extensively

advertised, this action will not only bring customers into the Chemist's shop to purchase 'ASPRO,' but should enable the chemist's staff to make other sales to these customers. Acceptance of Bonus is considered acceptance of conditions regarding display and selling prices. For Bonuses it is not necessary to buy both sizes at the same time, i.e., single lots 6 dozen 10's or 3 dozen 27's will qualify the Chemist.

You order as follows:—We do not sell direct to the Chemist. All our business goes through Wholesalers. Orders may be sent either to your Wholesaler or direct to us. If to us, state the name of your Wholesaler, so that we may forward the order on and the Bonus will be supplied direct by us.

**Ordinary prices for unstamped
'ASPRO' are as follows:—**

3d. size (containing 5 tablets) 2/3 doz.

6d. " (containing 10 tablets) 4/6 "

1/3 " (containing 27 tablets) 11/6 "

2/6 " (containing 60 tablets) 21/- "

Less 2½% 30 days.

NOTE.—The 1/3 size contains two extra tablets. 2/6 size ten extra tablets.

'ASPRO' consists of the purest Acetyl Salicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

**Made by ASPRO LIMITED,
SLOUGH, England.**

Agents:

GOLLIN & CO. PTY. LTD.

('Aspro' Dept.),

SLOUGH, BUCKS.

'Phone: Slough 608.

*No proprietary right is
claimed in the method
of manufacture or
the formula.*

COUPON for New 3-Piece 'ASPRO' Display.
GOLLIN & CO. PTY. LTD. ('Aspro' Dept.), SLOUGH, BUCKS.
Please send me above displays.
Name.....
Address.....
.....
.....
.....



G. & D.

READ THIS LETTER

TELEGRAMS:
WILROSE, CHESTER.

TELEPHONE:
10, CHESTER.

WILL R. ROSE.
23, BRIDGE STREET ROW.
CHESTER.

EVERYTHING PHOTOGRAPHIC.

BRANCHES AT OXFORD AND CHELTENHAM.

21st. May 1930.

Messrs. Kodak, Limited,
Kodak House,
Kingsway, W.C.2.

Dear Sirs,

I am sure that you will be interested and pleased to know that I have returned to the exclusive use of "Velox" and "Kodak" Bromide papers in my Works at Chester, Oxford and Cheltenham. Two years ago, I came to the conclusion that I owed it to myself to see if I could get as good results with cheaper papers, but my experience has shown that to get consistently the high standard of quality which I have always demanded from my Works and for which those Works have acquired the reputation, none but the best is good enough.

Yours faithfully,

Will R. Rose

"None but the Best"

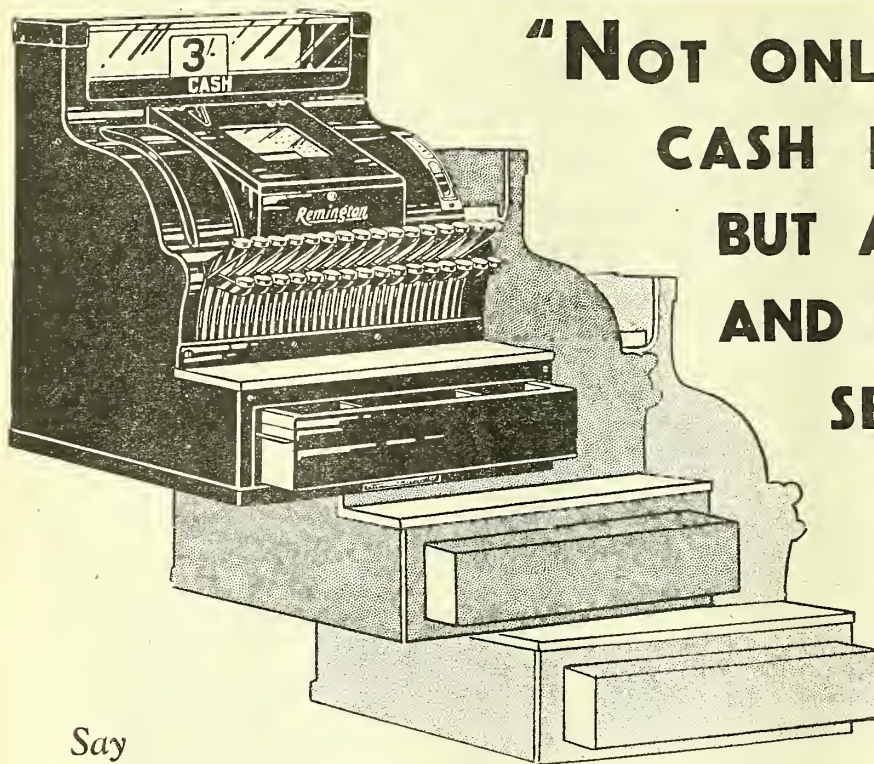
**and it costs no more
to have D. & P. done
by a House which uses**

"Velox"

and

Kodak Bromide Papers

Kodak Limited, Kingsway, London, W.C.2.



**"NOT ONLY
CASH REGISTERS
BUT AN EFFICIENT
AND EVER READY
SERVICE"**

Say

Messrs. Dennison & Graham

86, Copland Terrace,
and 62, Gibson Street,
Newcastle-upon-Tyne.
6/5/30.

Dear Sirs,

We installed your machines in our shops after testing them against other makes, and we have never regretted our choice. They are satisfactory in every way. The visible detail strip is a great boon, particularly for checking at intervals during the day. Also, we find that we have bought, not only Cash Registers, but an efficient and ever ready service.

You may make use of this note of appreciation as you wish.

Yours faithfully,
Dennison & Graham,
pp. R. N. Dennison.

The Remington Cash Register Sales Co.,
Ltd.

Because the success of your business is so largely dependent on accurate, day-to-day information as to your stocks and your sales, find out about Remington. It is more than a Cash Register, it is a system that prevents errors and avoids disputes. The wide detail strip in the centre of the machine provides you with an accurate Day Book wherein every sale is printed and identified.

Full information about Remington will be interesting to you. Will you use the coupon? Tear it off and post it tonight.

COUPON

THE REMINGTON CASH REGISTER SALES
CO. LTD., Dept. C.D.4, 38 Kingsway, London, W.C.2

Please send me, without obligation, particulars of the features that make Remington the simplest and most profitable Cash Register for chemists.

Name

Address

Branches throughout Gt. Britain
and Ireland

Remington
CASH REGISTERS

Sales of Corn Remedies

are amazing

Liquid

- "Golden" Corn Cure. 2 dr. actinic green vials, felt padded cork, slide box, wrapped. Display outer per doz. 4/9
 "Dispello" Corn Cure. Effective display and big seller .. per doz. 5/-
 Corn Paint. Box top cork with brush. Carded in 1 dozens.. per doz. 3/9
 Corn Solvent "Eradico." Box top cork with brush, in round boxes, twelve on a card per doz. 5/-

Salve

- "Eradico" Corn Salve. In silicated boxes per doz. 5/-

Plasters

- | | | |
|------------------------|--|--------------|
| Corn Silk "Eradico." | } Alternative styles in smartly designed envelopes, packed 3 dozen in counter outer. All available for Chemist's name. | |
| Corn Silk "American." | | |
| Corn Velvet "Eradico." | | |
| Corn Discs "Eradico." | In envelopes with fixers. 1 dozen in hinged lid box. 6 dozen at | per doz. 3/6 |
| Corn Discs "Toto." | Assorted sizes mounted on pocket folder and enclosed in envelope. 12 on sales card | per doz. 4/- |
| Corn Strap Rings. | Slide box of attractive design, containing 6 strap rings | per doz. 6/6 |

Own name facilities on all except "DISPELLO" and CORN SALVE.

Sample pack sent post free to any Trading Chemist.

Special prices for quantities.

your
own name
and
the largest range

AYRTON, SAUNDERS
& Co., Ltd., LIVERPOOL

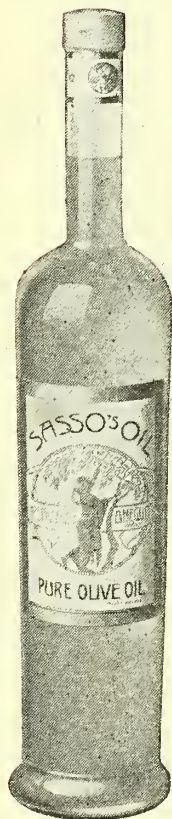
SASSO

OLIVE OIL

The Standard of Quality



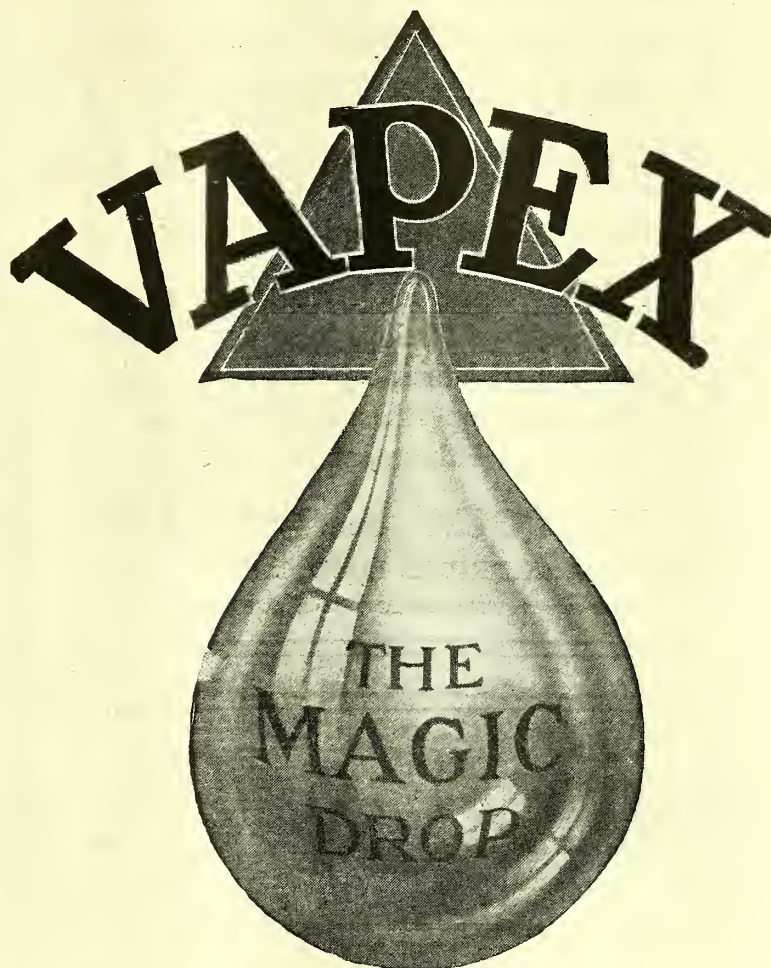
With Olive Oil at its present low price there will be an increased consumption this year and the public will be more particular about quality. "SASSO" OLIVE OIL will produce a permanent increase in sales owing to its never varying exquisite flavour and bouquet. Write for new season's samples and prices. It will pay to make a contract now to cover part of the year's requirements.



Producers :
P. SASSO & FIGLI
Oneglia, Italy

Sole distributors for the United
Kingdom : Fredk. Boehm Ltd.,
17 Jewry St., London E.C.3





Sells all the year round

SUMMER and winter "Vapex" is always in season. Catarrh in any form is intensely disagreeable in the summer time and the dust in the atmosphere renders the

trouble doubly obstinate. Sufferers from Nasal Catarrh, Hay Fever &c. will be grateful for a reminder of the usefulness of "Vapex" now and during the coming months.

To EXPORT BUYERS—All orders and enquiries should be addressed to our Sole Export Agents
Wm. ALFRED JONES Ltd., West India House, Liverpool

THOMAS KERFOOT & CO. LTD.
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

D/797

COPYRIGHT

NOTICE OF TRANSFER

The well-known series of all Glass
& other Medical Sprays & Atomisers
**The ASEPTUS—ARISTON—ALPHA
BETA—DELTA—OMEGA—MIRA—VEVAX**
and various special patterns

We have acquired from Messrs. R. J. REUTER LTD. all rights and Trade Marks of their series of Medical Sprays. We have taken over all stock of these, together with their expert manufacturing and fitting staff, and are in a position to supply these fine grade products in exactly the same style and quality as hitherto, at the same prices and terms.

BRITTON, MALCOLM & WAYMARK, LTD.

38 SOUTHWARK BRIDGE ROAD, LONDON, S.E.1

TELEPHONE : WATERLOO 1442 (2 LINES)

Schimmel & Co. A.G.

E. SACHSSE & CO., LEIPZIG.

ANTON DEPPE SÖHNE.

SPECIALITIES:

CAMPHOR OIL

PEPPERMINT OIL

JUNIPER BERRY OIL

BORNEOL

SANDALWOOD OIL

BORNYL ACETATE

MUSTARD OIL

THYMOL

PINE OILS

TERPENELESS OILS

Sole Distributors for United Kingdom:

Messrs. FREDK. BOEHM, LTD., 17 Jewry Street, LONDON, E.C.3.

Scottish Office : 140 West George Street, GLASGOW.



Best made — suits any blade

However often they change their blades, men come back again and again for Vinolia Shaving Soap. They appreciate the way it gets the most out of any blade. It helps the razor most—that's why Vinolia is such a steady seller, creating goodwill for you by bringing satisfied users back again and again for more.

VINOLIA SHAVING SOAP

BRITISH AND BEST

*Write
for terms
and
Special
Offer*

MERCOLIZED WAX

— : for the Complexion : —

and

STALLAX

— : a Shampoo : —

TWO substantial and well-advertised lines which show a handsome profit to the Retailer, and, moreover, may be stocked fearlessly owing to the Manufacturers' most liberal Sale or Return Guarantee.

Both are obtainable in two sizes, and their reputation and sterling value assure a steady turnover.

Order through your Wholesaler, or direct from :

DEARBORN (1923) LIMITED
37 GRAY'S INN ROAD, LONDON, W.C.1.

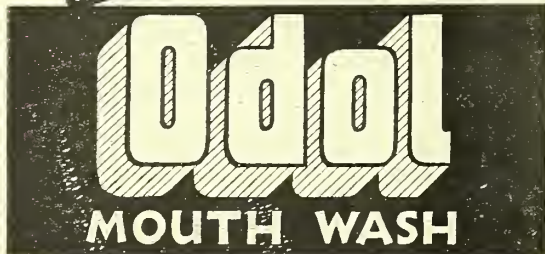
Telephone

HOLBORN 9669



2 fast sellers

Consistent and ever increasing advertising in the Press supported by attractive posters on thousands of hoardings and up-to-date talking films, is creating more demand for these two splendid all-British products.



HAIR

BURMAN

CLIPPERS

For SURGICAL
and VETERINARY
PURPOSES.

HAIRDRESSERS' CLIPPERS

The British-Made
Hair Clipper.



Dainty Shingling
Clippers for
Ladies' use.

BURMAN & Sons, Ltd., BIRMINGHAM



**IF IT
SHAVES
IT'S
WANIE**

The Blade that SELLS as it SHAVES—
"LIKE GREASED LIGHTNING!"

Obtainable from all leading Wholesalers.

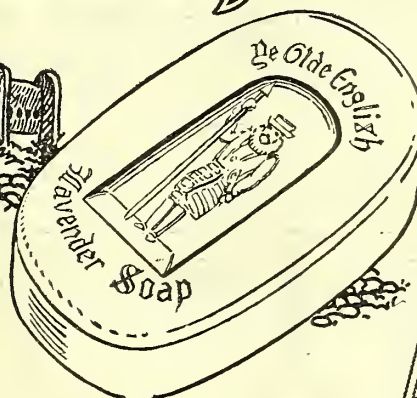
FREE SAMPLE ON REQUEST.

Dept. C.D., WANIE DISTRIBUTING CO.,
 89 Aldgate High Street, E.C.3.

Irish Free State Agents:

Messrs. W. A. FREEDMAN & CO., 21, Merchant's Quay, DUBLIN.

Ye Olde English Lavender Soap



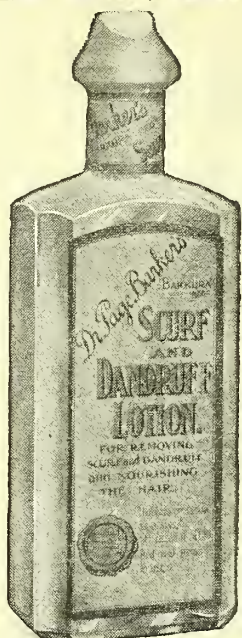
Perfumed with real English essence of Lavender, this speciality soap will make a strong appeal to

those of your customers who prefer the quiet dignity of old world odours. At the same time Cussons' "Ye Olde English Lavender" Soap is thoroughly modern in the method of its manufacture and the generous profit which it carries.

*Write now for prices
and full particulars
to the manufacturers.*

Cussons

KERSAL VALE, MANCHESTER



Dr. Page-Barker's Scurf & Dandruff LOTION

The recognised
specific for scurf

EVERY bottle of Dr. Page-Barker's Scurf Lotion bears a positive guarantee that it will eradicate scurf or the purchase price will be refunded. This makes it the easiest to sell of all hair and scalp specifics. And the profit is handsome.

2/6

With every order for 3 dozen you get three 2/6 bottles as bonus, handsome metal showstand, and attractive showcards.

PER 18/- DOZEN

P.A.T.A.

SEE OUR NEW AND ARTISTIC SHOWCARDS

WRITE FOR EXPORT TERMS

THOS. CHRISTY & CO., 4-12 OLD SWAN LANE, LONDON, E.C.4

GOSNELL'S
ORIGINAL

Cherry Tooth Paste



IN TUBES
10d. & 1/3

IN POTS
1/6 & 2/-



Cherry Blossom
Perfume

JOHN GOSNELL & CO., LTD.
Perfumers and Fine Soap Makers
211-215, Blackfriars Rd., S.E.1
LONDON
Established 1760

WE MANUFACTURE SAFETY RAZOR BLADES
FOR ALL CLASSES OF TRADE.

POPULAR **EMMAH** RETAIL AT 2d. each

"P.C." - - 1d. each
PLANET - - 3d. each

WITHOUT EQUAL IN THEIR CLASS.

Send for particulars of our new FREE GIFT SCHEME
in connection with PLANET BLADES.

Enquiries and quotations promptly attended to.

EMMAH PRODUCTS, LTD.

14-16 LOWER CLAPTON ROAD, LONDON, E.5

MARIE ANTOINETTE
EGG JULEP SHAMPOO
POWDER (Regd.)

DELICATELY PERFUMED.

Suitable for all Hair; keeps same Bright,
Soft and Glossy.

Loose, 3d. Shampoos - - 19/- gross.
16 Boxes (seven 3d. Shampoos) - 12/- doz.
3 Boxes Bonus with 3 dozen order.

Established 35 years.

OFFER THIS: When customers ask for a colour-restorer
for grey hair, or a tonic to stop falling or
to promote growth, offer

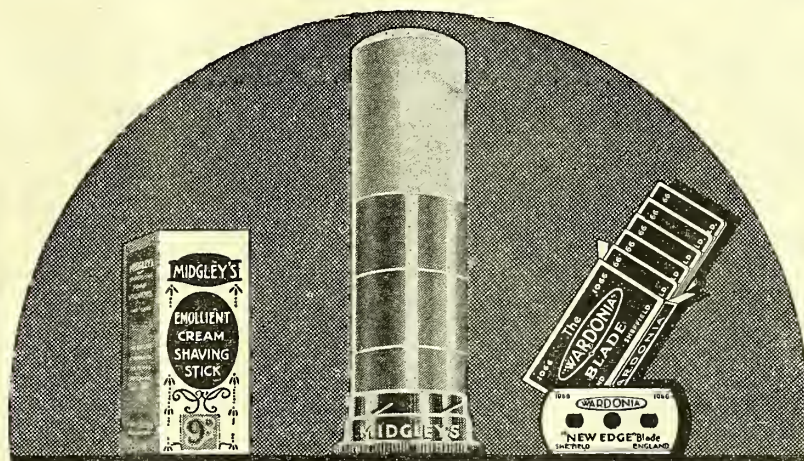
MORGAN'S POMADE

You may do so in full confidence that it will perform what it promises;
40 years' reputation, a world-wide trade and thousands of testimonials
support its claim to genuine merit. Retail 19 and 33 per pot;
wholesale 14/- and 26/- per doz. Both Articles in the P.A.T.A. List.
The MARIE ANTOINETTE CO., LTD. 149 JUNCTION ROAD,
LONDON, N.19



Sensational Gift

for every shaver and **50%** PROFIT for you.



FREE!

This genuine 9d. Midgley's Full-size Shaving Stick with each 1/3d. Packet of Wardonia "New Edge" Blades purchased.

That's the offer we make—the great offer your customers will crowd in for. Complete window and counter display matter FREE with every order. Widely advertised in the National and Provincial Press. Back up this wonderful

"SPORTING OFFER"

there's a big profit behind it for you. Note the generous Trade Terms. Delivery guaranteed of first order, whatever the quantity, so order generously and at once from your usual wholesaler or direct from:—

TRADE TERMS:—

- 1 to 4 Cartons (per carton) 21/-
- 5 Cartons (per carton) 20/-
- 10 Cartons (per carton) 19/-
- 20 Cartons (per carton) 18/-

How Packed:—

In attractive Display Carton CONTAINING 24—PACKETS of 5 WARDONIA Blades & 24—9d. Midgley's Shaving Sticks. RETAIL VALUE OF ABOVE CARTON 30/-

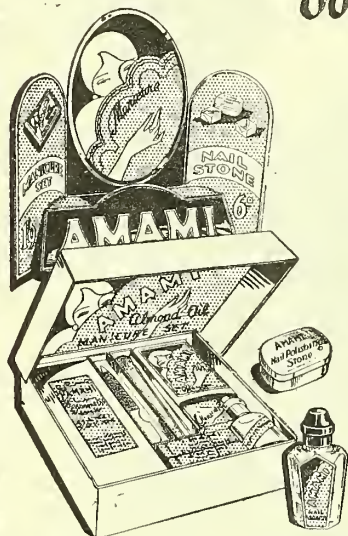


FOR TWO MONTHS ONLY

Sole Makers: THOMAS WARD & SONS LTD., Wardonia Works, Sheffield, England

78% PROFIT ON AMAMI

Bonus Manicure Parcel



COMPACT Manicure Sets, Nail Varnish, Nail Stone, Cuticle Fluid and Cuticle Cream—six splendid popularly priced lines that can be making big profits for you. For a window display to link up with our current advertising in the "Daily Mirror" and "Daily Sketch" we are offering a special bonus parcel as follows:—

	COST PRICE	SELLING PRICE
2 doz. 6d. Nail Stones -	8 0	12 0
$\frac{1}{2}$ doz. 1/- Cuticle Fluid -	4 0	6 0
1 doz. 1/- Nail Varnish -	8 0	12 0
$\frac{1}{3}$ doz. 1/9 Manicure Sets	4 8	7 0
1 only 3/6 "	2 4	3 6
$\frac{1}{4}$ doz. 1/- Cuticle Cream	free	3 0

£1 7 0 £2 3 6

Less 10% 2 8

£1 4 4

NETT PROFIT - 19 2

PRICHARD & CONSTANCE (Mfg.) LTD.
11 BROAD STREET, W.C.2.

The Public are Calling
for

PETAL DUST

"Wherein the subtle savour of the Flowers
sublimely dwells."

THE GREAT FLORAL AIR PURIFIER

A Trial will convince you that—

PETAL DUST, when once shown, creates its own demand, and is therefore a valuable adjunct to every "go-ahead" store.

PETAL DUST, when displayed prominently upon your counter, will attract prudent customers by the fragrance of its unique odour, which to-day is of such universal admiration.

Retails in packets at 4d. and 8d. each.

Attractive Advertising matter free on request.

Obtainable through all the usual Wholesale Houses or
from Sole Producers:—

The Rosmarine Manufacturing Co.
LONDON, S.E.1.

For 137 years

Rowland's Macassar Oil has been a favourite dressing for the hair. It keeps the hair healthy, and prevents the encroachment of greyness and baldness.

Of all Wholesalers.



RETAIL
3/6, 7/- & 10/6
P.A.T.A.

Rowland's Macassar Oil
Red for dark hair
Golden for fair or grey hair

A. ROWLAND & SONS, Ltd., 112 Guilford St., London, W.C.1

"ODENTIC" PLATE BRUSH

Regd. No. 417637.



From all
Wholesalers.

Packed in $\frac{1}{2}$ -dozen Display Boxes.

Manufacturers:

W. R. Speer & Son (EST. 100 YEARS)

215 DALSTON LANE - - LONDON, E.8

Agent for S. Africa—C. GORDON DAVIES & CO.,
National Bank Buildings, Pritchard Street, Johannesburg.

BUY GENOZO ON THE BEST TERMS



£5 ORDERS OF GENATOSAN PRODUCTS

Genozo may be included in £5 cash with order mixed parcels of Sanatogen, Genasprin, Formamint, etc., which are subject to 10% discount for window show. The addition of a further steady seller to the existing range of Genatosan products enables many chemists, who have not before been able to avail themselves of these terms, to secure the advantage of purchasing on this basis, which shows in the case of Genozo

A profit on selling price of 40%



SPECIAL TERMS JUST INTRODUCED

For those chemists who are anxious to make Genozo one of their "star lines" and are prepared to push this "Chemists' own tooth-paste" vigorously, there are even more advantageous terms (for Genozo only) which show—

An even greater profit!

WRITE TO-DAY FOR PARTICULARS

GENOZO Brand TOOTHPASTE British made by GENATOSAN LTD., LOUGHBOROUGH

SALES ACTUALLY CONFINED TO THE CHEMISTS' TRADE

Now is the time to display Halex

**HALEX SUMMER ADVERTISING DRIVE
begins — to-day!**



From now on, for the next eight weeks, the advertisements reproduced here (and others like them) will appear at the rate of 5 million a week in the following national newspapers and magazines:—

DAILY MAIL	DAILY CHRONICLE
DAILY NEWS	GLASGOW BULLETIN
NASH'S MAGAZINE	MODERN WOMAN
WOMAN & HOME	WOMAN'S PICTORIAL
HOME NOTES	MODERN WEEKLY

GOOD HOUSEKEEPING

Practically the whole bulk of the Halex Summer campaign has been concentrated into the mid-summer months—the 'peak period' of toothbrush sales. Now is the time to display Halex—while intensive advertising is creating a quick demand for the Halex Brushes you bought on the extra-profit terms.

**Link up with these big new
advertisements—Display Halex**

If you need more free display material, another showcard or window-sticker, or if you want more Halex Brushes—send in this order-form to-day!

(Fill in and post to your usual Wholesaler)

To.....

Please send me/us

(a)dozen Halex Toothbrushes as listed below:

Halex No. 1.....doz. @ 6/- a doz.

Halex No. 2.....doz. @ 7/6 a doz.

Halex No. 3.....doz. @ 9/- a doz.

Halex No. 4.....doz. @ 11/- a doz.

Halex No. 5.....doz. @ 13/- a doz.

Halex No. 6.....doz. @ 15/- a doz.

(b) The Halex Showcase (free with orders for not less than 4 doz.).

(c) The Halex Showcards and Window Transparency (free to any stockist).

(d) The Halex Display Holder (free to any stockist).

(e) The Halex Introductory Parcel at 40/- only.

(Strike out words not required.)

Name.....

Address.....

HB5

ANOTHER LINE WORTH NOTING!

It pays you always to keep our 6d. Bags of PEPPERMINT TABLETS on show. They sell all the year round, people always come back for more, and every bag sold is an EXTRA SALE.

There is "something different" about our

PEPPERMINT TABLETS

and they have proved a most popular line. Showcards supplied with each order. Packed in most attractive outers of 1 doz. bags in each.

Minimum retail price 6d. per bag.

Wholesale prices 4/- per doz. Per gross 45/-.

THOMPSON & CAPPER WHOLESALE LTD.

MANESTY BUILDINGS, COLLEGE LANE
LIVERPOOL

ASK US
TO SEND
YOU
A SAMPLE
BAG
FREE!



Why you should sell the **TROJAN**

When you sell a TROJAN High Frequency Outfit you give your customer every satisfaction and make a profitable sale.

Recommended by beauty and hair specialists, TROJAN Outfits are absolutely dependable and can be easily operated by an entirely inexperienced person.

The TROJAN CURES Rheumatism, Sciatica, Lumbago, Gout, Insomnia, Neuritis, Asthma, Bronchitis, Catarrh, Nervousness, Headaches, Pleurisy, Colds in the Head, Neuralgia, Sore Throat, Falling Hair, Skin Diseases, Chilblains and innumerable other ailments.

If you do not already stock this TRIED and PROVED quick-selling line—ask us to send you particulars of our Scheme for selling 20 sets a week!

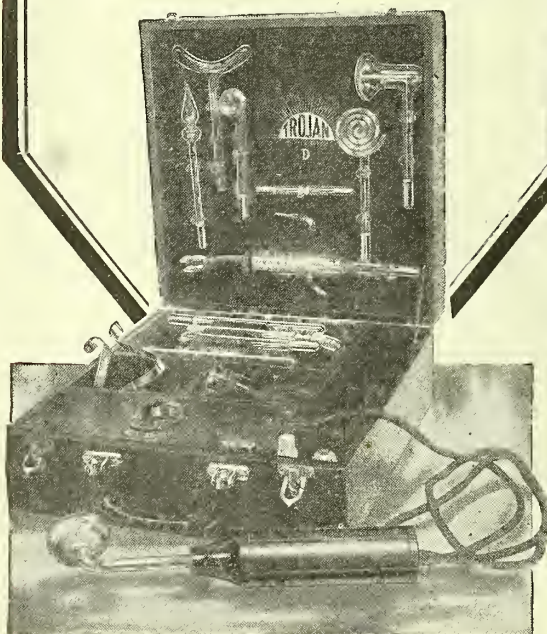
JOHN SHAW & SONS WOLVERHAMPTON LTD

(Established 1795).

Head Office and Works - - - WOLVERHAMPTON
Telephone: Wolverhampton 1001.
Telegrams: "Shaw Wolverhampton."

London Branch - - - 29-30 Shoe Lane, E.C.4
Telephone: Central 2163.

MANCHESTER - - - 5 Orme Buildings, Parsonage
Telephone: Blackfriars 1365.



STRONG PUBLICITY

The extended National Advertising for "Eclipse" Blades, combined with the new Display Card, is creating increased sales. Get your share of this business by displaying in your window the attractive show matter sent gratis on request.

5
FOR
1/8

Place your order now through
your usual wholesaler, or direct
from the manufacturers.

3
FOR
1/-

Made by
JAMES NEILL & CO. (Sheffield) LTD.,
Crucible Steel Manufacturers • SHEFFIELD.

TATCHO Sample Size 6^D

THE HAIR RESTORER

6 Bottles in Case for
Counter Display,
4/- PER DOZ.

PROMOTES, PRODUCES,
BEAUTIFIES THE HAIR

1/3 size .. 12/6 per doz.
2/9 size .. 26/- per doz.

TATCHO Laboratories, 5 Great Queen Street, London, W.C.2

BALLOONS

PRINTED with your
ADVERTISEMENT
or BLOCK.

COMBS, PRESENTS, LEATHER GOODS, NOVELTIES, ETC.

Deal from the oldest established firm in the Trade:

"STANBERTS," STANBERT HOUSE, (Dept. "P"),
377 KENNINGTON ROAD, S.E.11 Reliance 1762
STOCK "JAZZO," THE MAGIC DANCE FLOOR POLISH.

G. B. KENT & SONS, LTD.

Are known the World over as
the Largest Manufacturers of

BEST BRITISH BRUSHES

Please write for full Particulars to:—

75 FARRINGDON ROAD, E.C.1.

PATENT FOODS

SPECIAL FOODS DEVISED. ENQUIRIES INVITED.

George King & Co., Ltd., Sycamore St., London, E.C.1

Phone: Clerkenwell 3383.

Wires: "Foodokings, Barb, London."

IN TINS OR TONS

"Ladye Jayne"

SLUMBER HELMETS & HAIRPINS

ARE NECESSITIES FOR THE PRESERVATION OF EVERY LADY'S HAIR AND ARE NOW SOLD BY MOST GOOD CLASS CHEMISTS.

Send for Samples and Prices.

JARRETT, RAINSFORD & LAUGHTON, LTD.
ALEXANDRA WORKS BIRMINGHAM

Sole Manufacturers of
"LADYE JAYNE" "LADYE FAYRE"
Hairpins and Hairgrips. Compacts with unbreakable powder.

WESTMINSTER COLLEGE OF PHARMACY.

WILLS' UNIVERSAL POSTAL SYSTEM

FEES (GT. BRITAIN & N. IRELAND)

PRELIMINARY SCIENTIFIC COURSE - £1 1 0

QUALIFYING COURSE - - - - - £1 1 0

APOTHECARIES' HALL COURSE - - - £1 11 6

POSTAL COURSE PROSPECTUS POST FREE
from The Secretary,

190 CLAPHAM ROAD, S.W.9.

MANY SUCCESSES IN THE EXAMINATIONS

Your Opportunity to

QUALIFY IN OPTICS

PRACTICAL WORK. Students taking the course may receive personal tuition in the practical work AT ANY TIME DURING THE COURSE.

Expert Tuition for the SIGHT-TESTING DIPLOMAS of the Worshipful Company of Spectacle Makers (F.S.M.C.); the British Optical Association (F.B.O.A.); the National Association of Opticians (F.N.A.O.); or the College of Optics (F.C.O.)

Write for full particulars—

C. A. SCURR, M.P.S., F.S.M.C., F.B.O.A., F.N.A.O., B.Sc., F.I.O., F.C.O.
50 HIGH STREET, BARNET, LONDON, N.

S.A. Representative: E. E. G. WOOLLEY, F.S.M.C., M.P.S., P.O. Box 1769,
Durban.

N.Z. Representative: R. C. AITCHISON, Box 158 PALMERSTON North.

The


NATIONAL ASSOCIATION OF OPTICIANS.

Chemist-Opticians

are invited to apply for Membership of the N.A.O.

Particulars of the next Examination for the Fellowship Diploma, Syllabus, Entrance Forms, &c., from the SECRETARY, N.A.O., 130 Princes Road, Liverpool.

Yours
for a few
small
monthly
payments



CORONA

The Personal Writing Machine

POSSESS IT FOR 21/- DOWN

A machine for all purposes: has standard keyboard, 10-in. carriage, automatic ribbon reverse, stencilling key, etc.

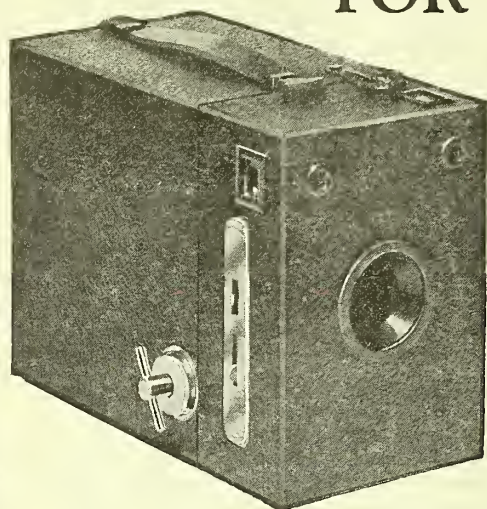
Send for Booklet C.2 containing full particulars

Name.....

Address.....

L. C. SMITH & CORONA TYPEWRITERS LTD.,
Melbourne House, Aldwych, London, W.C.

FOR YOU TO TRY YOURSELF



A BRITISH MADE 'CORONET' CAMERA

Complete with portrait attachment,
side and upright viewfinders,
time and instantaneous shutter.

AT 7/6 TO THE PUBLIC

JUST FILL IN THE COUPON.

Please send me at this address, without charge or obligation, one No. 2 'Coronet' Camera, which I will undertake to return if I am not interested.

Name

Address

THOS. CHRISTY & CO.

4-12 Old Swan Lane, E.C.4

FRED^K. FINK & CO.

10 & 11 MINCING LANE, LONDON, E.C.3.

TEL: ROYAL 5094.

GUMS, ARABIC and TRAGACANTH as Imported or
Finely Powdered. :: SHELLACS ALL GRADES.



SHADEINE

FOR TINTING GREY HAIR

This popular article is largely advertised
and stocked by all Wholesale Houses.

Trial size 8d. per doz. .. 6/-
1/4 size, per doz. .. 12/-
2/6 size, per doz. .. 24/-
3/9 size, per doz. .. 36/-

The SHADEINE CO., 58 Westbourne Grove, London, W.2

SALESMEN—SALESWOMEN—DEMONSTRATORS

RETAIL SALESMANSHIP

By CUNLIFFE L. BOLLING

Forceful selling methods, expert advice, details that enable
the retail salesman to become marked by employers and cus-
tomers as thoroughly efficient, are dealt with in this masterly
modern book. 7/6 net.

Order now, from a bookseller, or

PITMAN'S, Parker Street, Kingsway, W.C.2

"CARNATION" CORN CAPS

THE CERTAIN CORN REMOVER. Well Advertised,
Attractively Packed and gives complete satisfaction to
your customer. Novel Window Show with gross orders.

COSTS 5/- PER DOZ.

SELLS 9d. BOX.

CUXSON, GERRARD & CO., LTD. OLDBURY, BIRMINGHAM

NURSE HARVEY'S MIXTURE

A safe, simple and reliable remedy for Children's
Ailments is advertised so extensively in the
daily and weekly Press as to bring mothers to
the retailer without effort on his part.

The selling has been done before the mother
reaches the chemist, and, having supplied her, it
is only common sense to claim she will buy other
family necessities from him. Moreover, the con-
tinuous demand for it produces a quick turnover.

For Direct Terms apply to—

OSCAR SCRUTON & CO., YORK

Recommend HORLICK'S
for sound sleep



YOUR
Customers
with
Artificial
Dentures
Will Readily
BUY IT.

THOS. CHRISTY & CO., 4-12 Old Swan Lane, London, E.C.4

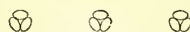
Progress

From the first time that THE CHEMIST AND DRUGGIST published a Special Issue right up to now there has been development and progress.

The next ANNUAL SPECIAL ISSUE will be published on JUNE 28, 1930, and will provide advertisers with the opportunity of displaying their announcements in Black and White, or in Colour.

This finely produced number, full of interest to the Pharmacist, will be of special value to those whose announcements appear therein.

Write to the Publisher for details of space available.



THE CHEMIST AND DRUGGIST

28 ESSEX STREET
STRAND, LONDON, W.C.2

Telegrams: "Chemicus, Estrand, London."
Telephone: Central 6565 (8 lines).



now

ONE stock takes the place of SIX

that, and the fact that SELO
sales are steadily rising
provide sound reasons
why you should handle:-

Selo Advertising
Dept., 134, St.
Albans Road,
Watford.

SELO

The fast
FILM



Joint product—combining all the merits of
and distributed by

IMPERIAL ILFORD
ILLINGWORTH RAJAR
GEM and WELLINGTON



SUMMER SALES

POTTER'S VITALIZING FRUIT SALINE

Clarke's LIVER SALTS

ALL THE YEAR ROUND HEALTH SALT

PRICES

Potter's Vitalising
FRUIT SALINE

8 oz. bottles (retail 1/9) 13/- dozen
 4 oz. bottles (retail 1/3) 8/6 dozen
 Attractive show matter with all orders.

All the Year Round
HEALTH SALT

4 oz. tins ... 4/9 dozen
 Gross lots ... 4/3 dozen
 1/- Bottles (4 oz.) ... 7/6 dozen
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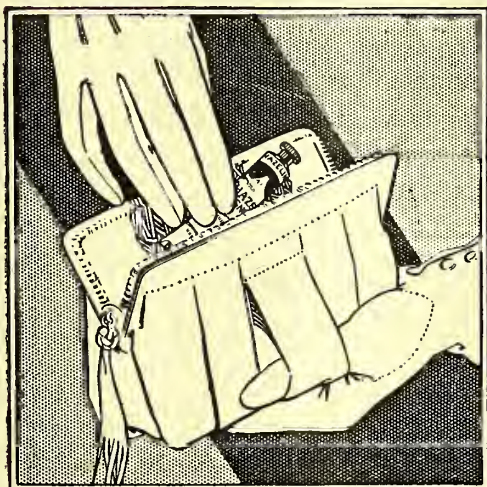
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A WEEKLY JOURNAL OF PHARMACY,
THE DRUG, CHEMICAL & ALLIED TRADES.

Telegrams: "Chemicus, Estrand, London."
Telephone: Central 6565 (8 lines).

The official organ of The Pharmaceutical Society of Ireland, The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions.

Published at 28 ESSEX STREET, STRAND, LONDON, W.C.2.

Branch Offices: 4 Cannon Street, Manchester. (Tel.: City 0052.) 54 Foster's Buildings, High Street, Sheffield. (Tel.: 22458.)
19 Waterloo Street, Glasgow. (Tel.: Central 2329.) 99 Queen Street, Melbourne, Australia.

Vol. 112. No. 23

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English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

Enamelled Hollow-Ware for Surgical Use

The keen look-out kept by trade associations was emphasised on June 2 at an inquiry held by the Board of Trade under the Merchandise Marks Act, 1926, in regard to enamelled hollow-ware. The Enamelled Hollow-ware Section of the Wrought Hollow-ware Trade Employers' Association asked for a marking Order in respect of "imported wrought enamelled hollow-ware (whether of iron or steel) for domestic (including hospital) use." The Surgical and Allied Trades Association was keen to see the possibility that inconvenience might be caused to those requiring enamelled goods of this nature for hospital use, and promptly notified the applicants of their determination to oppose the application. As a result negotiations took place, and the applicants, when the case came before the Committee, appended to their application the following schedule of hospital goods which they asked the Committee to exempt from any Order that might be recommended:—

Douche cans	Sterilising kettles
Douche pans	Inhalers
Bed-pans	Kidney-shaped pus basins
Male and female urinals	Injection basins
Oval chambers	Medicine tumblers
Airtight closet pails	(graduated)
Bidets and stands	Medicine spoons and sick-feeders
Arm-baths and stands	Graduated measures
Leg-baths	Blood measures
Conical ewers with covers	Solution and evaporating bowls
Trays for midwifery bags	Chemists' infusion pots
Instrument trays	Bandage boxes and chemists' jars
Catheter trays	Spitting mugs
Bandage boxes	
Sterilising trays and apparatus	

Mr. O. F. C. Bromfield, secretary of the Surgical and Allied Trades' Association, gave evidence in support of the application in its amended form.

Poison Licence Applications

In renewing licences to local seedsmen for the sale of agricultural and horticultural poisons, the Brighton Town Council has intimated that the licences may not be renewed next year. In the meantime, the chief constable is to ascertain what pharmacists trading in the neighbourhood of seedsmen's shops now stock poisonous substances used exclusively in agriculture and horticulture.

Manchester Pharmacy Club

On May 21, the Manchester and District Pharmacy Club were responsible for promoting a social evening at the Clydesdale Club. This, although their first venture, was a delightful function. Quite fifty members enjoyed the entertainment by the following artists:—Miss Slee (accompanist), Miss Scholes, Miss Appleyard, Mr. Brecknall, Mr. Gregson, and Mr. Yates. One of the most enjoyable features was the community singing, accompanied on the piano by Mr. Yates. Mr. J. H. Franklin was, as always, an admirable chairman. The various turns were excellent. Mr. Gregson, as the magician, being especially appreciated. Mr. J. Cleworth, in moving a vote of thanks to the artists, said that it was one of the most successful social evenings he had ever attended. He heartily congratulated and thanked not only the artists, but also those who had worked for that successful evening's entertainment. Votes of thanks were passed with acclamation to the artists, the chairman, and the secretary (Mr. Thorpe).

Birmingham

The Water Department will not this year require a subsidy from the rates.

The first meeting of the golfing section of the Birmingham Social Club, held on the Gay Hill course on May 28, resulted in a win for Mr. F. H. Foster with

a score of 93-16=77. Other leading scores were Mr. A. S. Price, 95-15=80, and Mr. A. B. Burns, 99-18=81.

Hull

At Hull Police Court, on May 28, Henry G. Walton (26), moulder, was committed for trial on a charge of breaking into the shop of Rowlands Cash Chemists, Ltd., Hessle Road, and stealing cameras and money.

At the Hull Juvenile Court, on May 28, two boys were remanded, with a view to being placed in a home, on a charge of stealing goods from the shop of Mr. A. F. Metcalfe, chemist and druggist, Spring Bank, and elsewhere.

Liverpool

Mr. Alexander Lawrence, chemist and druggist, 44 Great Charlotte Street, and Mr. Andrew Royal, chemist and druggist, 75 Moss Lane, Orrell Park, are both reported to be seriously ill.

The annual staff picnic of J. H. & S. Johnson, Ltd., manufacturing chemists, Liverpool, took place recently, in the form of a motor-tour from Birkenhead, along the coast of North Wales, to Llandudno. The happy party was in charge of Mr. Victor Anderson, and regret was expressed that Colonel Johnson was unable to be present. A halt for lunch was made at Ruthin.

Miscellaneous

WINDOW-DRESSING AWARD.—At a window-dressing competition held in connection with a civic week at Northampton, recently, a bronze medal was awarded to P. Jeyes & Co., Ltd., chemists.

IN THE COURTS.—At Marlborough Street Police Court, London, W., on May 31, Mrs. Barbara Gamble (34), described as of no occupation, was bound over on a charge of attempting to commit suicide by taking heroin.

BURGLARY.—The premises of Dubuis & Rowsell, Ltd., essence manufacturers, Elmwood Road, Croydon, were broken into on May 31, and a number of 1-, 2- and 4-oz. coppers of otto of roses and "absolute of rose" stolen.

CO-OPERATIVE SOCIETIES' DRUG DEPARTMENTS.—It is understood that steps are being taken to form an organisation to watch the interests of the drug departments of co-operative societies, and that a "National Association of Co-operative Chemists" is projected. A meeting in support of the scheme has been held at the offices of the National Union of Co-operative Officials in Manchester.

MEDICAL OFFICER TO DISPENSE.—At a meeting of the Essex Public Assistance Committee on May 28, it was recommended that a part-time medical officer (at a salary of £75 per annum) should supply his own drugs. Alderman Burrows opposed this, and said the general principle had been established in health insurance work that a medical man should prescribe and prescriptions should be dispensed by chemists. The chairman contended that in some places difficulty might arise in getting drugs from chemists. The recommendation was adopted.

CHEMISTS' SICKNESS AND PROVIDENT SOCIETY.—The second annual meeting of the Chemists' Sickness and Provident Society was held at 4 and 5 Queen Square, London, W.C.1, on May 27, Mr. Thomas Hardy in the chair. The chairman said that a copy of the annual report and audited statement of accounts for 1929 had been sent to every member, and moved its adoption. Mr. Keall, in seconding, said that the result of the past year's work was wonderful considering the short time the Society had been in existence. The secretary pointed out that one of the most satisfactory features was that the younger members had been credited with more than they had paid in subscriptions. The Executive Committee was elected as follows:—*Chairman*, Mr. Thomas Hardy; *Vice-Chairman*, Mr. Hubert J. Martin; *Treasurer*, Mr. A. R. Melhuish; *Trustees*, Messrs. E. C. Carr, W. H. Clubb and J. E. French.

Irish News

Brevities

Mr. G. B. Johnston, Ph.C., Coleraine, has been elected, by the Synod of Londonderry, a member of the forthcoming Wesleyan Conference at Cork.

Mr. D. Meehan, Ph.C., and Miss Elizabeth M. O'Flanagan, Ph.C., have been appointed compounders for Athy and Kilkenny dispensaries respectively.

At Ballynahinch (co. Down) Petty Sessions, recently, Mr. Thomas Unsworth, Ph.C., Ballynahinch, was fined 5s., with costs, for supplying acetic acid deficient in strength.

Mary Ann Sproule, widow of William Sproule, a farmer, has been arrested at Omagh on a charge of murdering her husband by poisoning him with strychnine.

The managing committee of the South Charitable Infirmary, Cork, have accepted the following tenders:—Barry & Egan, medical and surgical appliances; P. J. Fielding, medicines.

At the annual meeting of the General Council of Municipal Authorities of Northern Ireland, held in Lisburn on May 28, Mr. Robert Hastings, Ph.C. (Robert Hastings, Ltd.), Newcastle, co. Down, was appointed to a vacancy on the Executive. Mr. Hastings has also been elected to the committee of the local branch of the Royal National Lifeboat Institution.

Belfast

Sir William Whitla, M.D., L.P.S.I., is lying seriously ill at his residence, Lennoxvale, Belfast.

Mr. Samuel Gibson, J.P., treasurer of the Chemists' and Druggists' Society of Ireland and a member of the Council of the Pharmaceutical Society of Northern Ireland, was a successful exhibitor in the Kerry and Dexter sections at the recent annual show of the Royal Ulster Agricultural Society, Belfast, winning one first and four third prizes.

The half-yearly examinations of the Pharmaceutical Council of Northern Ireland began in Belfast on June 3, and continued throughout the week. The large number of candidates (135) is probably due to the fact that this is the last occasion on which registered druggists may take advantage of the provisions of the Pharmacy and Poisons Act, 1925, to pass the Pharmaceutical Chemist examination.

Business Changes

BOOTS, LTD., have acquired the business of Mr. R. S. Carrie, chemist and druggist, 589 West Derby Road, Liverpool.

MR. S. TAYLOR, F.N.A.A., has acquired the business of Thomas Tomlinson & Son, chemists' valuers, 45A Market Street, Manchester.

MR. ROBERT MCPHERSON, chemist and druggist, has taken over the business of Mr. J. Watson, chemist and druggist, 585½ Gallowgate, Glasgow.

MR. D. S. PRIESTLEY, chemist and druggist, has acquired the business of Mr. George Penty, chemist and druggist, Duckworth Lane, Bradford.

COCKBURN & CO., LTD., chemists, have closed down their shop in Trongate, Glasgow, and transferred the business to their branch in Queen Street.

MR. ALISTER BROWN, chemist and druggist, has taken over the business of the late Mr. Alexander Young, chemist and druggist, at 57 St. John Street, Whithorn.

ITALIAN BROMINE.—Italy produced twenty tons of bromine in 1929, or five tons more than in 1928. This was manufactured from brines by the Società Italiana del Bromo, operating near Foggia.

Sporting Events

THE fourth competition of the season of the Manchester and District Chemists' Golf Society was held at Lostock Golf Course, through the kindness of the Bolton Golf Club. The competition was for the honour of holding the "Woolley Trophy" for the season. The outcome of the afternoon's play resulted in Mr. J. S. Breese winning the trophy and replica with a net score of 83. Mr. A. Stansfield won the second prize, presented by the Society, with a



Photo]

[Cleworth

MR. J. H. FRANKLIN (centre) PRESENTING THE WOOLLEY TROPHY TO MR. J. S. BREESE (left); on right, MR. E. N. FOX (captain)

net score of 85. The leading scores were as follows:—J. S. Breese, 105-22=83; A. Stansfield, 107-22=85; W. A. Sturdy, 92-6=86; I. Stout, 103-17=86; H. Woodhead, 103-16=87. After tea Mr. J. H. Franklin said he regretted that Mrs. Woolley was unable to be present, but she had sent her best wishes for a successful day.

Inquests

At Cheadle on June 4, an inquest on the body of Mrs. Carrie Whitehouse, Upper Brook Street, Manchester, was concluded. Giving evidence, Mr. H. Heap, the Manchester city analyst, said that 0.62 gr. of cocaine was found in the stomach, and he believed that cocaine had been administered by mouth. Sir Bernard Spilsbury stated that it was impossible to say how much cocaine had been taken, but probably it was considerably more than the amount found. The smallest fatal dose known was $\frac{3}{8}$ gr. An open verdict was returned.

An inquest was held at Bideford, recently, on the body of Mr. William Phillips, of Birmingham, who died at Instow while on a holiday. Dr. E. J. Toye, of Bideford, said he attended Mr. Phillips at Instow, when he was suffering from deep jaundice. The patient volunteered the information that he had been taking atophan tablets for his arthritis. Dr. Toye said that in his opinion death was due to toxic jaundice, the result of taking atophan tablets. Dr. Martin Littlewood, of Bideford, who had made a *post-mortem* examination, said that he was of the opinion that death was due to toxic necrosis of the liver. The Coroner: Are

you prepared to say to what this was due?—Witness: Hearing the evidence I should say the administration of atophan. Replying to a question from a member of the jury, Dr. Littlewood said a medical man could not tell whether atophan would be good or not for a patient until it was administered, and it should be taken with precaution. Dr. Robert Adam Forsyth, of Birmingham, said that Mr. Phillips was recommended to see him for rheumatism, and his first visit was on October 14, 1929. The witness continued: "I asked him if he would take atophan tablets and come and see me again. I told him to take one tablet three times a day and come back in three weeks, which he did. I then started weekly injections of peptone until Christmas, and told the patient to take one atophan tablet at night while he was having injections. At Christmas his rheumatism was remarkably better, and I told him to stop the atophan." The Coroner: He had no atophan since Christmas?—Not to my knowledge. The foreman said the jury would like to know whether it was possible for anyone to go into a chemist's shop and get atophan. The coroner replied that there was nothing to prevent anyone getting it at a chemist's shop, and said that in his opinion it was rather a dangerous drug for anyone to be able to obtain. A verdict of "Death through misadventure, deceased having taken more atophan than he should have done," was returned by the jury, who added a rider that in their opinion steps should be taken to prevent the sale of this drug without a medical prescription.

Association Meetings

Manchester.—At a meeting of the council of the Manchester Pharmaceutical Association the following officers were elected for the ensuing year:—*President*, Mr. E. Stabler; *Vice-Presidents*, Mr. W. I. Scholes and Mr. D. Dickson; *Treasurer*, Mr. A. J. Pidd; *Secretary*, Mr. T. Miller; *Social Secretary*, Mr. J. H. Franklin.

Chemists' Dental Society.—The twentieth annual general meeting of the Chemists' Dental Society was held in London on May 29, Mr. S. Davis (president) in the chair. A report of the work of the past year was given, together with the balance sheet, which showed a substantial balance in hand. The chief discussion was concerning the new scale of charges for insurance dental treatment, fees for which are to be reduced in July. It was urged that definite statistics be kept so as to assist the dental representatives to combat the cutting down of fees to an unremunerative degree. It was decided to print the new scale and conditions of service in booklet form for distribution to members as before. An interesting account of the practical working of an x-ray apparatus was given by the ex-president (Mr. F. C. Ashford) with details of its usefulness in solving difficulties in the diagnosis of necessary dental treatment. The president initiated a discussion on the report of the Departmental Committee upon the Poisons and Pharmacy Acts and the draft Bill. He expressed the opinion, which was endorsed by many speakers, that the time was opportune for pharmacists to formulate their desires and prevent any possibility of retrograde legislation. The 1921 Dentists Act should be borne in mind, and every endeavour made to define the "practice of pharmacy" and an annual registration fee only demanded when a "closed profession" can be obtained. It was agreed that the sale of pharmaceutical preparations and medicinal articles by unqualified shopkeepers and bazaars was a menace to the public health. It was the unanimous decision of the meeting that any suggested pharmaceutical legislation should be watched very carefully. The following officers were elected for the ensuing year:—*President*, Mr. S. Davis; *Vice-President*, Mr. H. Morgan; *Treasurer*, Mr. J. J. Laws; *Auditor*, Mr. W. E. Barker; *Council*, Dr. Templar Malins, Messrs. F. C. Ashford, Barker, Davis, Greensmith, Lyons, Laws, Morgan, Parkins, Roberts, Sutcliffe, Williams, Vernon and Workman; *Secretary*, Mr. J. W. Roberts, 10 Tavistock Place, W.C.1.

Legal Reports

A Job Lot of Cold Cream.—In Shoreditch County Court, London, on May 27, George W. Tapper, dealer, Whitecross Street, E.C., sued Harry Wiseman, Ltd., druggists' and hairdressers' sundriesmen, Stoney Lane, E., to recover the sum of £3 14s. 6d., being the return of £3 4s. paid for a consideration which had failed, and the cost of the analysis of some cold cream, 10s. 6d. It was alleged that about a month ago the plaintiff was informed that the defendants had a job lot of cold cream in tins for disposal, which the plaintiff inspected in bulk, and chose a lot to the value of £5. As payment the plaintiff suggested that he should deliver £5 worth of studs, which was agreed to. Later the cold cream was delivered, and the plaintiff handed the driver the studs in exchange. The plaintiff, giving evidence, said he purchased these goods on the understanding that he was receiving cold cream made in the ordinary way "from beeswax and lard and face powder." He started to sell this, but the customers brought it back to him. He returned 5 gross of tins to the defendants out of the 25 gross which he bought, and got a credit note for £1 for them. He had had an analysis made of the so-called cold cream, and found that the constituent parts were not such as cold cream should be made of. He produced a tin, and on opening it it rolled over the registrar's desk like a jelly. Mr. Wiseman stated in evidence that the plaintiff quite well knew what he was buying. The registrar said that in the circumstances the plaintiff could not substantiate his claim. He had bought a job lot. Judgment was entered for the defendants, with costs.

Food and Drugs (Adulteration) Act.—At Tower Bridge Police Court, London, on May 28, Sarah Schneiderman, Mile End Road, E., trading as the Wholesale Trading Supply Co., 163 Newington Causeway, S.E., was summoned for having sold boric ointment which was deficient in boric acid to the extent of 96 per cent. Jack Moss, 120 Graham Road, Dalston, E.1, was summoned for a similar offence. Mr. Griffiths, town clerk of Southwark, supported the summonses; Mr. Foster defended; and Mr. C. H. Kirby (Neave, Beck & Kirby) watched the case for Parkes Chemists, Ltd.

BORIC OINTMENT

Mr. Griffiths said that an inspector called at the defendant's shop and asked for three dozen tins of boric ointment. He was served by Moss. The inspector put the contents of the three dozen tins into a jar and, having mixed them well up, divided the contents into three parts. The analyst's certificate showed that boric ointment prepared according to the British Pharmacopoeia should contain 10 per cent. of boric acid, so that the ointment, which only contained 0.04 per cent., was 96 per cent. deficient. This stuff, as described by the analyst, was only cheap soap jelly and not an ointment at all. On the tins which contained the "ointment" was the name of Parkes, Chemists. Mr. Kirby: I am here watching this case for Messrs. Parkes, Sir, and they have no knowledge of this ointment whatever. The Magistrate: I am sure they have not. I deal with them myself, and they are a firm of the greatest repute. Mr. Griffiths: There is no suggestion that Messrs. Parkes know anything of this. Evidence of purchase was then given. Mr. Griffiths: We have had no notice or copy of a warranty or invoice with a written notice that a warranty was to be relied on. Mr. Foster: I was only instructed yesterday. I will produce the invoice, Sir. The Magistrate: May I look at it? Ah, I see the first thing on this document is "Open on Saturdays and Sundays." This gentleman can be neither Christian nor Jew. The next is: "Bought of Harry Wiseman, 20 Stoney Lane, Shoreditch," and I see by the list on top of the invoice that he sells everything but cheese and ointment. Mr. Foster: My client is a mere victim. The Magistrate: How can you say that, when he goes to a toy merchant to buy his ointment? He might just as well have gone to a pork-pie vendor. He might have got genuine fat.

Mr. Foster called Mr. Lionel Schneiderman, who said he was manager of the business for his wife. It had been established eight weeks. He bought the ointment from Mr. Wiseman, who said it was a job line. He paid 3s. 6d. per gross. He saw the name "Parkes" on the tin and thought it would be all right. The Magistrate: Did you open a tin of this stuff?—Yes. What did you think of it?—I thought it was all right, but I'm not a judge of ointment. The Magistrate: Well, if you are a haberdasher and not a judge of ointment, how dare you buy this filthy stuff and foist it on the public? I should think that the fat in this stuff is the scum from filthy tubs and the waste from soap works. Why don't you leave chemists to do their own business? There are probably enough germs in this to poison a regiment, and the boracic acid in it is not enough to act as an antiseptic to kill them, let alone any germs which might be on a wound on which it might be put. Mr. C. Dickinson, public analyst for Southwark, said he had analysed the "ointment" and found it to be weak soap jelly, with 0.04 per cent. of boric acid. It was really stiffened water. The Magistrate: Like a potato almost. Witness: It has more water than a potato. Mr. Kirby said the tins in which the ointment was put up were genuine "Parkes" tins. It was not known how they got out. The Magistrate: Your clients should be very careful with their stamped boxes. They might get into the hands of any charlatan who might fill them up with soap, and bad soap at that. Mr. Foster said that having only been instructed the day before, it was impossible for them to serve a notice on Wiseman. The Magistrate: What are you going to do against this man Wiseman? Mr. Griffiths: We cannot do anything, Sir, there is no warranty. I have informed the City of London Sanitary Department and they are going to take steps in the matter. The Magistrate: It does not matter so much about these poor people being done out of a penny as the fact that they will probably put this filth on an open wound. Mr. Foster said his client had been more fool than rogue, and had been victimised. The Magistrate: Your man suspected this stuff when he bought it. That is proved by what he said to Wiseman. He will be fined £20 and £5 5s. costs, and I hope this case will not be stopped here. I hope it will be broadcast that people who buy boracic ointment at shops that are not chemists' shops are buying something suspect and had better keep clear of it. If people want ointments they should go to chemists' shops, where they will get the genuine article. The summons against Moss was withdrawn.

CAMPHORATED OIL

At the same court, the Kent Pharmacy, Ltd., pleaded "Guilty" to a charge of selling camphorated oil which was deficient in camphor by 29 per cent. Mr. Foster, defending, said an assistant was to blame; not having quite the quantity asked for, he filled up the measure with pure oil. The defendant said he and his forebears had carried on business at that address for 120 years without complaint. The summons was dismissed on payment of £3 3s. costs.

POWDERED CINNAMON

At Southport Police Court, on May 30, the hearing of the case in which Mr. Norman V. Rushton, chemist and druggist, London Street, was summoned for having sold ground cinnamon not of the nature and substance demanded (*C. & D.*, May 24, p. 626) was concluded. Mr. R. E. Perrins, who appeared for the prosecution, now stated that the defendant had not given notice of his intention to rely on a warranty within the specified time, but he (Mr. Perrins) was prepared to waive that. Mr. D. Gerrard, who appeared on behalf of Hough, Hoseason & Co., Ltd., Manchester, the suppliers of the cinnamon, said Mr. Perrins could not waive an objection of that kind to the prejudice of another party. After some argument, Mr. Gerrard said he would agree to a summons being issued against the firm and contest the whole issue. A summons was then issued against Messrs. Hough, Hoseason & Co. for supplying a false warranty. Professor W. H. Roberts, public analyst, said he analysed the sample submitted, and found that

it contained 2.5 per cent. of sand and siliceous matter. Ground cinnamon should not contain any sand or siliceous matter at all. Mr. Perrins: Would you recommend a prosecution for anything up to 1 per cent.?—Where it is 0.5 per cent., attention should be drawn to the matter. Would you describe it as a technical trivial offence?—No. William Cross, of Liverpool, a grinder of thirty-four years' experience, said that his firm tested every grind before it was sent out. If it contained over 1 per cent. of sand or siliceous matter he would put it down to carelessness in production. In answer to Mr. H. Glyn-Jones, barrister, who defended, witness said there should be no difference in sand or siliceous matter after the grinding. Mr. Rushton, giving evidence, put in an invoice from Messrs. Hough, Hoseason & Co., which he said contained a guarantee that the products complied with the standard laid down by the British Pharmacopœia. Mr. Gerrard: At the time you bought this cinnamon were you given any written guarantee that it complied with the British Pharmacopœia or anything?—No, not at that time. Mr. Gerrard contended that there was no warranty given, and that there was no verbal agreement prior to the sending of the invoice to give a warranty. He quoted a number of cases, and maintained that no warranty was given within the meaning of the Act. Mr. Glyn-Jones said that a person going into a shop and asking for powdered cinnamon was entitled to have powdered cinnamon which complied with the British Pharmacopœia requirements, and when a retail chemist ordered it from his wholesaler he was entitled to have it. The firm always put on their invoices this guarantee, and those who dealt with them knew they were going to get a written guarantee. It was an implied term in any contract with the wholesaler that this customary warranty would be supplied. Professor James Grier, of Manchester University, said he thought Professor Roberts's view of 0.5 per cent. was the counsel of perfection. There was nothing harmful in the present sample. Mr. George F. Shaw said the ground cinnamon was prepared under his supervision, and nothing was added. Mr. Rushton was not given a written guarantee and never asked for one. Mr. Graham Adams said he sold the cinnamon to Mr. Rushton, but never agreed to give a written warranty, and Mr. Rushton never asked for one. In reply to Mr. Glyn-Jones, witness said his firm guaranteed its British Pharmacopœia preparations. The Bench retired, and upon their return the chairman read the following decision: "In the opinion of the Court the cinnamon sold was not of the substance demanded by the purchaser and an offence has been committed. The Bench is, however, satisfied that Mr. Rushton sold the article actually as delivered to him. We find as a fact that Mr. Rushton has been dealing with Messrs. Hough, Hoseason & Co., Ltd., for a period of several years, that in this period he had had very numerous transactions with them, and that in each case the invoice contained a guarantee in similar terms to that upon the invoice produced to us in this case. This, in our opinion, established a course of dealing and conduct which implied that all transactions were put on the footing that a written or printed guarantee in similar terms was to be the basis of each transaction, and that the invoice now before us contained a warranty within the meaning of the Act. We are of the opinion that the powdered cinnamon demanded was a British Pharmacopœia preparation in the terms of the guarantee. This being so, Mr. Rushton is entitled to be and is discharged from the case. Messrs. Hough, Hoseason & Co. will be fined £10 for giving a false warranty."

TANGANYIKA BEESWAX.—The exports of beeswax in 1929 were 6,721 cwt. (£48,149), compared with 9,815 cwt. in 1928 (£71,079); in 1913, 11,180 cwt. (£70,743) was exported.

DOGS OVERDOSED WITH STRYCHNINE.—It is stated that two greyhounds at the Burhill Kennels, Walton-on-Thames, have died in consequence of an overdose of strychnine, and that the trainer has been severely censured by the manager and stewards of Wimbledon Stadium.

National Health Insurance Bill (Northern Ireland)

DURING the committee stage of the National Health Insurance Bill in the House of Commons of Northern Ireland on Clause 8, with respect to sales of poisons on medical prescriptions, Lieutenant-Colonel Gordon asked the Minister of Labour a question. He said he saw that if poison was supplied on a prescription written by a panel doctor the usual entry need not be made by the chemist in his book. In the case of an ordinary doctor that had to be done. Why was the exception made in this clause? Mr. Andrews (Minister of Labour): The explanation is very simple. We want to have as little red tape in connection with this measure as possible, and we do not want to wrong anybody. The principle we are adopting is simply this, that the doctor will write his prescription in duplicate by means of a counterfoil. The two will be taken to the chemist, who will file one as a record of what the doctor has prescribed. That is an absolute check that things will be done in a proper way. In addition to that, the drugs will be analysed from time to time to see if they are of the best quality, and that everything is being conducted as it ought to be. The Clause was ordered to stand part of the Bill.

On Clause 1, Mr. O'Neill asked whether provision would be made for insured people who had defective sight. The Minister of Labour said the Bill must be read in conjunction with the National Health Insurance Acts as they exist apart from this Bill. Under the National Health Insurance Acts the eyes of insured persons were attended to under the additional benefits schemes, and therefore it was not necessary to include provision for such articles.

On Clause 4, on the question of appeals, the Minister of Labour said that in the first place, should any difficulty arise the local committee, which would be a committee for the county or borough as the case might be, would consider the case, and, if necessary, it would be referred to the Medical Benefits Council. That was a council composed of four parties, representing the doctors, the insured persons, the employers, and those nominated by the Minister for the time being. If there was still a difference of opinion as to how matters should be settled it would be in the power of the Minister to set up a body composed of a barrister-at-law and two medical assistants to investigate the matter. Lieutenant-Colonel Gordon: Does that apply to chemists? Mr. Andrews: No. I do not think any difficulty will arise in their case. The clause was agreed to.

On Clause 5, Mr. Beattie criticised the composition of the Council to be set up. He objected to the amount of representation, one-fourth, given to doctors and chemists. Medical men were paid servants under this Bill, and so they were not entitled to the same proportion of representation on the Central Council as the persons paying the cost of the Bill. Mr. Gordon: They are workers receiving wages. Mr. Beattie: No. They are civil servants. That is what I put them down as, because they will administer the Act and will be paid for it. Therefore, their representation should be less than that of the people who are paying for the Bill. Mr. Gordon: That is a change of policy. Mr. Beattie: It is not. The insured persons should have the majority representation of the Council, because if you are going to allow paid servants to come in you will have the control and domination by the paid element. I have said that I have never in the past allowed a paid servant to dominate me or any committee of which I was a member. What I do want to do is to object to the amount of representation given to the medical profession and the chemists, as they are not on a par with the insured persons or the employers, who are the two sections who bear the financial responsibilities.

The Bill came up again on May 29 on the report stage. Several amendments, but none affecting the position of chemists, were dealt with, and the Bill subsequently passed the third reading and was sent to the Senate.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office.

IODINE PRODUCTS, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of chemists, druggists, drysalts, etc. The subscribers are: W. J. Chivers and P. E. Evans. R.O.: 15 Pall Mall, S.W.1.

J. THOMAS & SON (CASH CHEMISTS), LEYTON, LTD. (P.C.).—Capital £750. Objects: To carry on the business of chemists and photographic dealers, etc. The directors are: J. Thomas, W. J. B. Thomas, Mrs. E. Thomas and D. Rosenbaum. R.O.: 198 Francis Road, Leyton.

A. SIMONS, LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of a chemist and pharmacist heretofore carried on by A. Simons at 99 Clarendon Road, Whalley Range, Manchester. The directors are: A. Simons and J. J. Balon. Solicitors: Bernard Kuit & Co., 83 Bridge Street, Manchester.

JOHN T. BARRADELL & SON, LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of a chainois leather and sponge merchant lately carried on by J. T. Barradell at 23 Blackfriars Street, Salford, as "J. T. Barradell." The permanent directors are: Mrs. Kate Barradell, S. W. Barradell and G. Barradell (managing director).

SELLES DISPENSING CHEMISTS, LTD. (P.C.).—Capital £10,000. Objects: To carry on the business of wholesale and retail chemists and druggists, opticians, etc. The directors are: V. H. Iddon, 14 The Oval, Garden Village, Hull, chemist; A. Brown, 25 Hillshill Road, Hull, chemist; and E. A. Brocklehurst, 56 Plane Street, Hull, chemist.

J. C. & J. FIELD, LTD.—The accounts show a net profit for the year to March 31 of £12,000 (against £12,252 for 1928-29), to which is added £7,268 brought forward. The directors again recommend a dividend of 10 per cent. on the ordinary shares, leaving £7,652 to be carried forward.

ILFORD, LTD.—A public issue of 500,000 six and a-half per cent. Cumulative "A" preference shares was made this week. On the basis of the profits for 1929 the dividend on the present issue of preference shares is covered more than four and a-quarter times, while the balance of assets, exclusive of goodwill, totals more than £1,359,000.

BRITISH PHOTOGRAPHIC INDUSTRIES, LTD.—The net profits for 1929 amounted to £69,387 (against £58,257 for 1928), to which is added £10,022 brought forward, making an available sum of £79,409. The dividend on the ordinary shares is to be repeated at 10 per cent., and £20,000 is again placed to reserve, increasing it to £50,000. After making these allocations the carry-forward will be increased from £10,022 to £22,644.

NATIONAL DRUG & CHEMICAL COMPANY OF CANADA.—The accounts for the year ended January 31, 1930, show a net trading profit of \$66,658 against \$109,676. During the year the directors accepted an offer from Merck & Co. for chemical manufacturing business of the company, together with chemical plant, buildings and land located on de Courcelles Street, Montreal, in which the company's manufacturing operations have been carried on.

E. POLLARD & Co., LTD., and SAM'L. HASKINS & BROS., LTD.—Owing to the disastrous fire that occurred at Messrs. Haskins' premises, an amalgamation has been arranged between the two companies. The joint managing directors, Messrs. Adrian and Leonard Haskins, will become directors of E. Pollard & Co., Ltd., and will give their attention to Messrs. Haskins' business connections, particularly in steel shutters and architectural bronze work. A new factory is in the course of erection on the same site, and all Messrs.

Haskins' technical and administrative staff are being retained.

SOHO (formerly AMALGAMATED PHOTOGRAPHIC MANUFACTURERS).—For the eleven months to December 31, 1929, the trading balance was £38,927, compared with £7,317 for the preceding period of thirteen months, while, after providing directors' fees and depreciation, the net profit was £29,360, compared with a loss of £5,246. It is proposed to again provide the fixed 8 per cent. per annum on the cumulative preference, and to pay 7½ per cent. for the eleven months on the twelve and a-half per cent. "B" non-cumulative preference, being the first dividend on the latter since arrears were cancelled in March 1926. The reserve receives £2,500 (against nil) and the carry-forward is £4,982, compared with £393.

B. LAPORTE, LTD.—The net profit for the year ended March 31, 1930, is £33,417, making, with the amount brought forward (£9,519), £42,936. Dividends on preference shares (already paid) absorb £10,447, and the balance of taxes account takes £1,591. It is proposed to pay a dividend on ordinary shares at the rate of 9 per cent. for the year (£9,720), placing to reserve fund £1,445; to investments reserve account £2,500; to write off patents account £500; place to income-tax suspense account £6,000; to carry forward £10,733. The balance carried forward is subject to accrued preference dividend for three months ended March 31, 1930, of £2,809. Following the increase of authorised capital to £300,000 by extraordinary general meetings held for that purpose, the issued capital has been increased to £259,000 by acquisition of business of Wm. Burton & Sons, Bethnal Green, in connection with which all arrangements have been satisfactorily completed.

UNITED CHEMISTS' ASSOCIATION, LTD.—The report for the year ended March 31, 1930, states that "trading conditions throughout the year have been most difficult. Chemists have experienced intense competition, and the absence of seasonable weather has reduced their turnover practically throughout the country; whilst the absorption of private businesses by the multiple companies is constantly narrowing our market. In spite of these handicaps we have been able to increase our business, and the sale of Ucal Products has been greater than ever before." A full year's dividend of 7½ per cent. per annum on the preference shares has been paid and charged in the accounts. The balance disposable is £11,095 12s. 6d., which the directors recommend be dealt with as follows:—(a) A dividend at the rate of 12½ per cent., per annum, on the founders' shares; (b) a dividend at the rate of 7½ per cent., per annum, on the ordinary shares; (c) to reserve, £1,000; (d) to write off buildings £1,000. (The sum of £2,230 9s. 4d. has been written off plant and motors and been charged in the accounts for the year under review); (e) subject to such directors' remuneration as may be voted by the members, to carry forward the balance. The directors are pleased to report that the payment of bonus on wages earned has been provided for and charged in the accounts before arriving at the balance disposable. The vacancy caused by the death of the late chairman has not been filled, as it did not reduce the number of directors below the minimum prescribed by the articles of association. The directors to retire this year are Messrs. Charles H. Griffiths and Arthur E. Young, who, being eligible, offer themselves for re-election.

BOOTS PURE DRUG Co.—The full report for the year to March 31 shows, as already announced, a net profit of £724,869, against £750,152 for 1928-29. Trading profits, after meeting income-tax, amounted to £857,059, compared with £892,940. Repairs and renewals absorbed £56,038 (against £66,989) and depreciation £50,527 (against £40,558), while the staff fund receives £25,000, compared with £35,000. It is proposed to maintain the distribution on the £1,500,000 ordinary capital at 29 per cent., which again includes a tax-free bonus of 5 per cent. To the reserve fund is allocated £190,000 (against £20,000), and £229,829 is carried forward (against £226,709). With this year's transfer

the reserve fund will total £1,000,000. For the past three years the results (as shown in the "Financial Times") compare as follows:—

	March, 1928	March, 1929	March, 1930
	£	£	£
Net profit	701,973	750,152	724,869
Preference dividend ..	96,750	96,750	96,750
To reserve	150,000	200,000	190,000
Ordinary dividend ..	27½%	29%	29%
Forward	208,307	226,710	229,828
Issued capital	2,900,000	2,900,000	2,900,000
Creditors	612,854	653,847	651,945
Depreciation funds ..	406,944	418,638	447,886
General reserve	550,000	700,000	910,000
Freehold reserve	10,000	10,000	—
Works devt. fund	100,000	100,000	100,000
Properties	1,785,036	1,892,385	2,156,391
Plant, etc.	545,903	607,182	647,984
Stock	823,798	788,121	876,660
Debtors	757,239	930,043	866,970
Government stock ..	248,125	248,125	248,125
Cash	40,003	70,557	79,351
(e) Investments	893,000	938,202	942,979
Other investments ..	49,272	—	—

(a) Sundry; (b) Owing to subsidiaries; (c) Sundry; (d) Owing by subsidiaries; (e) In subsidiaries.

W. J. BUSH & CO., LTD.—The annual general meeting was held at the Abercorn Rooms, Great Eastern Hotel, E.C., on June 2, Mr. J. M. Bush (chairman of the company) presiding. In moving the adoption of the report the chairman referred to the decline in both gross and net profits. They would recall, he said, that at last year's meeting he mentioned that they had disposed of the Potter & Moore branch of the business to a separate company. This had eliminated both the gross and net profits from this source formerly incorporated in the figures. The decline in the value of commodities following the financial crisis in New York in October last has caused the company to suffer heavily through the depreciation of their large stock. Another cause of the fall in profits to quite an appreciable extent was the practical failure of the clove crop. Essential oil of cloves is one of the most important raw materials and is used in the manufacture of vanillin. The high price of the spice made it difficult for the company to meet the competition of vanillin made from other raw material and maintain a normal amount of business and profit. The Zanzibar Government had given great assistance to manufacturers of vanillin using clove oil by allowing a rebate of the export duty when the spice is used for this purpose. With normal crops this assistance would make oil of cloves a competitive raw material. They had, nevertheless, done a good deal of research work on another process, with a considerable measure of success, but he hoped that its adoption would not be necessary. The accounts showed exceptionally heavy expenditure in buildings and plant. The chairman explained at the last meeting that they had made great efforts and devoted a lot of money to building up a fine chemical industry in this country under the encouragement of the Safeguarding of Industries Act. A development of this kind must of necessity be spread over a series of years. The continuance of the Act is obviously of the utmost importance, and he held the view that it would be a national disaster if the expenditure of time and money spent by the manufacturers of fine chemicals in the establishment of complicated processes were prematurely exposed to the attacks of foreign dumping, of which there is abundant evidence. The Right Hon. Lord Hayter, in seconding the motion, remarked that what the chairman had said represented the opinion of the whole Board. As one who moved in circles closely identified with discussions connected with safeguarding, he (the speaker) would take this opportunity to express his own opinion that the safeguarding controversy was being rapidly removed from the region of party political discussion and was becoming a national question. He thought there was no doubt that the trend of opinion was strongly in favour, not only of the continuance, but of the wide extension, of the safeguarding idea. The resolution was carried, and the dividend recommended (C. & D., May 31, p. 655) was declared.

Stock Exchange Prices

£1 Shares unless otherwise stated	Dec. 31, 1929	Apr. 29, 1930	May 30, 1930
	s. d.	s. d.	s. d.
Allen & Hanburys, 7% Prefd. Ord.	21 6	21 0	21 6
Amalg. Dental Co., 8% Prefd. Ord.	18 6	19 3	19 0
" " Deferred 5s. ..	4 1½	4 3	4 0
Apellinaris and Johannis, Ord. £1 ..	10 0	8 3	8 0
Ayrton, Saunders & Co., 7½% Pref.	15 0	15 6	15 0
Beechams Pills, Deferred 1s. shares	3 3	3 3	2 10½
Benger's Food, Ord. ..	31 3	33 6	32 0
Boake (A.), Roberts & Co., 5% Pref.	—	13 9	16 3
Boots Pure Drug, Ord. ..	125 0	122 6	117 6
Boots Pure Drug, 7% "A" Prefd. Ord.	23 6	23 9	23 9
Boots Cash. Chemists (Southern), 6% "A" Pref.	21 6	21 9	21 9
Borax Consol., Dfd. Ord. ..	13 0	14 3	11 0
Bovril, 6% Pref. ..	21 3	21 9	21 6
" " Ord. ..	23 3	24 0	24 0
" " Dfd. ..	37 6	40 0	40 0
British Cyanides, Ord., 2s. shares ..	2 4½	2 4½	1 9
British Drug Houses, The, Ord. ..	26 3	23 0	22 0
British Oil and Cake Mills, Ord. ..	31 9	32 0	30 0
British Oxygen, Ord. ..	35 6	37 0	35 0
British Photo. Indus., 6% Cum. Pref.	14 9	15 6	15 9
Bush (W. J.) & Co., 5% Pref. £5 ..	67 6	70 0	65 0
Cadbury Bros., 6% Pref. ..	21 3	22 6	22 6
Callard, Stewart & Watt, Ord. ..	30 0	26 3	26 6
Crosfield (Joseph) & Sons, 6½% Pref.	19 9	21 6	21 6
Drug Incorporated (no par value) ..	—	\$84½	\$85½
Dubarry Perfumery, Ord. 1s. ..	8 6	8 9	7 6
" " 7½% Pref. ..	20 0	20 0	20 3
Eastman Kodak Com. (no nom. value)	\$176	\$253	\$248
Evans Sons Lescher & Webb, Ord.	—	—	—
" " 6s. 8d. shares	3 6	4 3	3 9
" " 6% cum. part. Pref.	4 6	4 6	4 6
Field (J. C. & J.), Ord. ..	13 6	10 6	10 6
Galloway (P. H.), Ord. 1s. ..	—	3 3	3 0
" " 7½% Cum. Pref.	—	20 3	20 0
Gossage (William), 6½% Pref. ..	20 0	21 6	21 6
Grout & Co., Ord. ..	18 9	18 9	17 6
Hoppells, 7% cum. partic. Pref. ..	6 3	7 6	6 0
Hodders, Ord. 1s. ..	1 1½	1 1	1 0
Idris & Co., "A" Ord. ..	18 9	19 3	19 0
Ilford, Ltd., Ord. ..	50 0	50 0	50 0
" " 6% Pref. ..	19 3	20 0	20 6
Imperial Chemical, 7% Pref. ..	23 0	24 1½	24 0
" " Ord. ..	26 0	26 6	24 3
" " Dfd. 10s. ..	8 9	8 6	7 6
Internat. Nickel Com. (no par value)	\$32½	\$36	\$34
Intern. Sponge Importers % Pref.	7 0	9 6	9 6
Kent (G. B.) & Sons, 5½% Pref. ..	11 3	11 3	11 3
Knight (John), 25% Prefd. Ord. ..	65 0	72 6	72 6
Laporte (B.) & Co., Ltd., Ord. ..	15 0	17 0	—
Lever Bros., Ltd., 7% Pref. ..	22 9	24 0	23 9
" " 8% Pref. ..	23 3	24 3	25 0
" " 20% Prefd. Ord. 5s. ..	13 3	13 9	14 0
Lewis & Burrows, Ord. ..	27 6	30 0	29 0
" " 6% Pref. ..	17 6	17 6	17 6
Liebig's Ext. of Meat, Ord. £5 ..	£15½	£16½	£15½
Mellin's Food, 6% Pref. ..	7 6	7 3	8 6
Nathan (Joseph) & Co., 7% Pref. ..	16 3	17 9	18 0
" " 8% Prefd. Ord. ..	7 0	8 0	8 0
National Drug and Chemical Co. of Canada, 6½% Pref. ..	3 6	3 3	3 3
New Transvaal Chemical Co., 6% Pref.	20 0	19 9	19 9
" " 8% Pref. ..	23 0	22 9	22 9
Salt Union, Ord. ..	37 6	36 3	35 0
" " Pref. ..	31 6	33 9	33 9
Sangers, Ord. 5s. ..	7 3	8 0	7 9
"Sanitas," The, Co., 9% Pref. ..	24 0	24 6	24 0
Sanitas Trust, 10% partic. Pref. ..	23 6	25 0	23 9
Schwepes, Ltd., Ord. ..	30 6	32 6	32 0
" " Dfd. ..	32 6	36 0	35 0
Smith (Stephen) & Co. Ord. 5s. ..	7 3	7 0	7 0
Solidol Chem. Co., Ord. 1s. ..	0 3	0 3	0 3
Southall Bros. & Barclay, Ord. ..	107 6	112 6	115 0
" " 5% Pref. ..	19 3	18 9	18 9
Spratt's Patent, Ord. ..	48 0	52 0	51 3
Stevenson & Howell, 6½% Cum Pref.	20 0	19 4½	20 3
Taylor's Cash Chemists (Lon.) 1s. Dfd.	2 6	2 4½	2 1½
Taylor's (Cash Chemists) Trust, 7½% Cum. Pref. Ord.	20 6	20 9	20 6
" " 1s. Dfd. ..	3 10½	3 6	3 1½
United Glass Bottle Man., 6% Mt.	—	—	—
Deb. Stk., £100 ..	£95	£98	£99
Veno Drug Co., 8% Pref. ..	18 6	18 3	18 0
Virol, Ltd., Ord. ..	90 0	80 0	82 6
" " 7% Pref. ..	21 0	21 6	21 9
White (A. J.), Ltd., Ord. 10s. ..	11 3	13 6	13 6
White (Timothy), 7½% Prefd. Ord.	22 0	21 9	21 3
" " 1s. Dfd. Ord. ..	2 9	2 7½	2 6
Wright Layman & Umney, 6% Pref.	20 0	20 0	20 6

General Medical Council

The one hundredth and thirty-first session of the General Medical Council opened at 44 Hallam Street, London, W.1, on May 27, the president (Sir Donald MacAlister) in the chair. Dr. Rodman, secretary of the National Board of Examiners of the United States, who is on a visit to Europe, occupied a seat by the president during the proceedings. After the usual official notifications, the first business was the delivery of the

PRESIDENT'S ADDRESS

Sir Donald MacAlister commenced with references to changes in the Council by death and resignation, and congratulated the Council's legal assessor, Mr. William Hansell, K.C., on receiving the order of knighthood. The president's allusion to the recognition of Indian qualifications showed that the deadlock between the Council's requirements and the average standard of qualification in India remains unchanged. An unusual feature of the address was the announcement that an agreement is under consideration between French and British authorities for regularising the position of doctors of either country practising exclusively in hospitals set apart for citizens of the country from which they come.

PHARMACOPŒIA COMMITTEE

The Committee reported that the number of copies of the British Pharmacopœia, 1914, sold in the year ended May 24, 1930, was 1,955, or somewhat fewer than in the preceding year.

The Committee have received and approved the following report from the Pharmacopœia Commission:—

Since the date of the last report the Commission have held twenty-two meetings. The Commission have given careful consideration to a large number of communications on the subject of additions to and omissions from the Pharmacopœia. . . .

1. In considering these reports, the Commission have been guided by the following principles:—

(a) They have accepted the opinion expressed by the Committee on Civil Research, Subcommittee on the British Pharmacopœia, that "the British Pharmacopœia should contain only those standard articles which are in general use throughout the Empire. Where it is desired that official recognition should be given in any part of the Empire to any local drugs or local substitutes, we suggest that this should be left to the Governments concerned, which, by means of Supplements or Addenda, to which they may accord the necessary sanction, can meet any local requirements or introduce any modifications or alternatives desired."

(b) In the case of groups of substances containing the same or similar active principles, e.g., vegetable substances containing tannic acid, it has been thought advisable to reduce the number of drugs described.

(c) Certain substances which are little used or are believed to be of doubtful therapeutic value have been omitted.

(d) Preparations such as the hypodermic injections and certain of the "Liquors" have been omitted on the ground that standard formulas are not necessary, and that it is preferable that potent drugs should be prescribed by the physician in quantities by weight as required.

Special formulas for suppositories have been omitted and a general method will be described, leaving to the discretion of the physician the dosage of the medicament to be incorporated. Formulas for several mixtures and for some of the compound pills and powders have been omitted.

The considerations mentioned have made it possible to effect a substantial reduction in the number of substances described. Space is thus made for more detailed and precise tests for the purity of materials and for descriptions of biological methods of testing and other new information without unduly increasing the size of the volume.

2. The work of the Commission and the Subcommittees has consisted principally of the writing and revision of monographs. Of the monographs required more than half are now in draft, and the preparation of material for appendices and explanatory notes has proceeded *pari passu* with the compilation of the monographs.

The Pharmacy Subcommittee have almost completed a systematic revision of the sections concerned with these galenical preparations of the current Pharmacopœia which will be described in the new volume, and have made good progress with the definition of new preparations. The use of industrial methylated spirits in making certain preparations has been approved by the Commission, and they have consulted with the Board of Customs and Excise in order to ensure that the statements of the Pharmacopœia shall be consonant with the legal requirements regarding industrial methylated spirits.

The Pharmaceutical Chemistry Subcommittee have revised a large number of the monographs of definite chemical substances, and have made good progress with the compilation of the chemical tests and assays necessary for the galenical preparations. In doing so, they have introduced much new matter designed to give more precise definitions of the requirements and tests.

The Subcommittee dealing with the drugs of the Arsenobenzene group have completed their work, and the monographs have been presented to the Commission.

The Subcommittee dealing with ergot, digitalis, serume, pituitary extract and other substances requiring biological tests, have made substantial progress, and a number of the monographs have been presented to the Commission.

Progress has been made with the difficult question of testing for vitamins, and an investigation by a number of experts has been organised with a view to drawing up a standard colour test for cod-liver oil. In this connection the co-operation of the Director of the National Physical Laboratory in the preparation of standard coloured glasses has been secured.

The Subcommittee dealing with the quality of glass for ampoules have organised an investigation in order to draw up the most suitable tests.

Good progress has been made with the drafting of an article giving directions for the preparation of sterile solutions for injection.

3. In connection with the work of all the Subcommittees, original investigations have been necessary, and the Commission desire to acknowledge the assistance given freely and voluntarily by expert workers. Valuable assistance has been rendered also by Miss Smelt, the research assistant to the Commission.

4. The Commission are agreed upon the necessity for adopting a uniform style of expression throughout the Pharmacopœia, and they have appointed the chairman, Professor Fraser, and Professor Gunn as an Editorial Subcommittee to revise, from this point of view, the monographs coming from different sources.

A survey of the nomenclature of the Pharmacopœia has been made, and in many instances new titles have been given to the substances and preparations described. The object in view has been to bring the nomenclature of the British Pharmacopœia into line as far as possible with the International Agreement and the United States Pharmacopœia, at the same time avoiding conflict with established usage in this country.

5. The Commission have continued to correspond with the chairman of the Committee of Revision of the United States Pharmacopœia and with the Canadian Committee on Pharmaceutical Standards. They have to acknowledge valuable help from the chairman of the latter body in connection with the drafting of the new monographs on certain gases used in connection with the production of anaesthesia.

6. The Commission have considered the advisability of publishing, at intervals, reports upon the work of the Subcommittees. In the compilation of previous Pharmacopœias, reports and recommendations were circulated widely for the information of medical practitioners and pharmacists, and the expert criticisms evoked were freely used in the preparation of the Pharmacopœia. The Commission are of opinion that this practice should be continued. Members of the Subcommittees have undertaken to publish papers on special subjects, and it is proposed that a condensed report of the recommendations made by the Subcommittees to the Commission up to date shall be issued without delay. . . .

7. The Commission acknowledge the valued assistance rendered by the legal advisers of the Council in connection with the monographs on certain substances which are the subject of special legislation in various parts of the Empire, and with the use of synonyms in the Pharmacopœia.

The Commission desire to record their appreciation of the services rendered by the secretary, whose industry and efficiency have facilitated the progress which they are able to report.

Pharmaceutical Society of Great Britain

Council Meeting

A MEETING of the Council was held at 16 Bloomsbury Square, London, W.C.1, on June 4. Mr. L. Moreton Parry presiding at the outset.

TUESDAY'S PROCEEDINGS

The following were among the matters dealt with at the Council meeting on June 3:—

A resolution was received from the Anglesey Branch stating that, whilst welcoming some of the provisions of the draft Bill, "we strongly oppose the proposals contained therein for establishing by law a new class of vendors of certain poisons, and we call on the Council of the Pharmaceutical Society to strenuously oppose such proposals, and to employ every legitimate means at their command to safeguard the present positions of pharmacists, who alone are qualified to sell and dispense poisons."

The Wolverhampton Branch forwarded resolutions:—

(1) "That the time is not opportune for the adoption of Matriculation as the standard for the Society's Preliminary examination, but that this standard should be adopted when (and if) the status of the pharmacist is raised by the passing of the Bill now in draft form, or as amended with proper safeguards." (2) "That apprentices should only be accepted in approved pharmacies where adequate training in official galenical pharmacy and dispensing of medicines is provided."

The Bedfordshire Branch wrote conveying resolutions:—(1) "That the facilities for obtaining permission to sell poisons in Part II be not greater than at present." (2) "That the Pharmaceutical Society have a larger representation on the Advisory Poisons Board."

The Society of Medical Officers of Health sent a letter asking for a representative of the Society to serve on a committee which is inquiring into the problem of abortion. Mr. Rowsell was appointed to serve.

The Council considered a report from the Codex Revision Committee upon what reservations, if any, should be recommended to be made by the British Government when signing the international agreement for the unification of the formulas of potent medicaments concluded at Brussels in 1923. It was agreed that the few details upon which reservation was desirable were covered by the draft reservation submitted by the General Medical Council to the Privy Council in August 1929. The proceedings were resumed on June 4.

DEATHS

The CHAIRMAN said his first duty was to refer to the death of their old colleague, Mr. Sargeant. It was necessary for him to say very little, for every member of the Council was fully aware of what Mr. Sargeant had done. He was proud to count Mr. Sargeant among his personal friends; he had been a loyal and true friend. Every member of the Council appreciated Mr. Sargeant's great qualities, and even though in later years his vitality had been sapped his brilliant ability had still been manifest. The Council would be the poorer by his death, for he was of a type not easily replaced. He was a keen thinker, with a mind both analytical and synthetic, and though a man of vision he was no mere dreamer. Mr. Parry then moved the following resolution:—

The Council learns with the deepest regret of the death of Mr. F. Pilkington Sargeant, a member of Council for eighteen years and a past vice-president and president. It held him in high regard for his gracious personality, his wisdom and vision and his devotion to the highest ideals of pharmacy, and remembers with gratitude and appreciation his many and varied services to pharmacy and his skilful handling of the Society's affairs.

Mr. MELHUISE briefly and suitably seconded the resolution

Mr. HARDY said the death of Mr. Sargeant was a great loss to pharmacy. All those in touch with their late colleague knew that first and last his one concern was for the welfare of his calling. His was a complex character. Himself a keen disciplinarian where others were concerned, he found it difficult to submit to discipline himself. And yet he was always prepared to thank those who showed that the course he proposed to adopt was wrong. His last years had been full of great trouble, which he had hidden from his friends. There was one aspect of his character which was not generally known, and that was he was a deeply religious man. Those who had been privileged to attend church with him had gained a new insight into his character. In social life he was a source of great pleasure to his friends. To go fishing with him on the Bassenthwaite Lake, or deep-sea fishing at Solway Firth, or hunting or shooting with him in Cumberland, gave opportunities of seeing other sides of his character. But the greatest treat of all was to go with him on a botanical ramble in the country. He was a brilliant student and a more brilliant teacher, a magnificent member of the Council, and, above all, one of the best "pals" that one could have. They would always revere his memory, for he was a just man.

Mr. PARRY then referred to the death of Miss Mowat, the Society's librarian, who was popular with all who came in touch with her, and possessed great charm of character. He felt sure the Council would wish that a letter of condolence should be sent to her mother.

The Council signified their sympathy in both cases by standing in silence.

NEW COUNCILLOR WELCOMED

Mr. PARRY next welcomed Mr. Deacon. They were all glad to see him filling the place of their old friend Mr. Sargeant. They felt he would make an excellent member of the Council, and he (Mr. Parry) hoped he would be very happy among them. (Hear, hear.)

Mr. DEACON returned thanks, and said he hoped he would justify his election.

DR. DRUCE'S EIGHTIETH BIRTHDAY

Mr. PARRY made reference to the fact that Dr. G. Claridge Druce, F.R.S., had attained his eightieth birthday. He was a famous pharmacist and a member of the Society. He (Mr. Parry) had known Dr. Druce almost from his boyhood, and had found him always a charming gentleman, as well as a great scholar. He proposed that the Council send Dr. Druce a letter of congratulation. (Applause.)

Mr. PECK said he was glad Mr. Parry had mentioned the matter. He himself had first met Dr. Druce in the examination-hall, where he was put through a searching examination in materia medica, and in later years he had had the privilege of going on more than one botanical excursion with him. Dr. Druce had made for himself a great position in the world of botany, and he might justly be described as the world's authority on field botany. Recently a distinguished gathering of men of science, in which the president of the Society was included, had met to honour Dr. Druce. Apart from his scientific work, Dr. Druce had given wonderful service to the City of Oxford, as alderman of the Council. Dr. Druce was well and hearty, and only last Saturday had paid him (the speaker) a visit. In honouring Dr. Druce the Society also honoured itself.

The resolution was heartily approved.

ELECTION OF PRESIDENT

The election of a president resulted in Mr. Melhuish being chosen. He received seventeen votes, and there were two blank papers.

Mr. PARRY, in investing Mr. Melhuish with the chain of office, said it had been worn by many distinguished men. He was sure that when the time came for Mr. Melhuish to relinquish it they would find he had given it added lustre. (Applause.)

The new PRESIDENT expressed his appreciation of the honour the Council had conferred upon him. He sometimes felt that the members of the Society hardly realised the importance of their organisation, and that other bodies outside pharmacy were unaware of the full value of the work the Society had done during the last ninety years. The chair had been occupied by many distinguished men, and he hoped that though he came to it in a time of difficulty he would be able to fill it adequately and to the satisfaction of the Council. He was assured of the fullest support from the Council, and he assured his colleagues that he would do his best. (Applause.)

ELECTION OF VICE-PRESIDENT

There were two nominations for the vice-presidency, Mr. Hines receiving eighteen votes and Mr. Marns one, and there was one blank paper.

Mr. HINES, in taking the vice-chair, congratulated Mr. Melhuish, and said he would do all he could to make his term of office a success. On his own behalf he thanked the Council for the confidence they had shown in him, adding that he would endeavour to be a credit to them and to the Society. (Applause.)

ELECTION OF TREASURER

The TREASURER (Mr. Guthrie) said the Council had given him the pleasure of acting as treasurer for the past five years. Perhaps he was hardly justified in doing so, but he felt that there might be in the minds of some of the Council an intention to vote for his re-election, and he had risen to ask them to refrain from doing so. Things had changed within recent years, and there was a feeling that offices should go round. He was not tired of the work, for he had enjoyed it and appreciated his return each year; but he felt that he ought to make way for someone else. He had quite made up his mind, and he asked for a further favour—that members of the Council would not vote for him.

Mr. Keall was elected treasurer, receiving nineteen votes. There was one blank paper.

In acknowledging the compliment, Mr. KEALL said he was conscious of the honour and sensible of the responsibility. He had served as a member of the Council under three treasurers (Mr. Gibson, Mr. Bilson and Mr. Guthrie). He appreciated Mr. Guthrie's action and would try to do his best as his successor. (Applause.)

THANKS TO EX-PRESIDENT

The PRESIDENT, in proposing a vote of thanks to Mr. Parry, said he had served pharmacy well for a great number of years, but never better than in the past twelve months. Mr. Parry had risen to every great occasion, and at the unveiling of the memorial to the late Sir William Glyn-Jones had delivered a most eloquent address. Like most of his countrymen, Mr. Parry had the gift of speech, as he had shown that morning, and to all the matters to which he had referred he had done ample justice. (Applause.)

The VICE-PRESIDENT, seconding, said it was something more than a formality.

The vote was carried with enthusiasm, and the president presented Mr. Parry with a miniature of the badge of office.

Mr. PARRY, returning thanks, said he believed that the Council meant its appreciation. During his year of office he had not had a single complaint to make against any member of the Council. He had received every assistance, and his duties had been made as smooth as possible. Mr. Melhuish was faced with a year of difficulty, but he (the speaker) was sure he would receive the same assistance that had been accorded to himself. He was proud to receive the miniature as a memento of his period as president. In one way he was glad to be relieved of the heavy duties which had fallen to his

lot during the last three years. His great compensation had been the appreciation shown on every hand, and he had been accorded a good reception in every part of the country that he had visited. (Applause.)

THANKS TO EX-TREASURER

Mr. BILSON proposed a vote of thanks to Mr. Guthrie. It had come as something of a shock to hear that Mr. Guthrie contemplated retiring from the treasurership, for they had all regarded him as a permanency. They sympathised with him in his decision, however. He was sure he was voicing the wishes of the Council in asking Mr. Guthrie to accept their warmest thanks. (Applause.)

The resolution was carried with acclamation.

Mr. GUTHRIE returned thanks, expressing appreciation of the fact that the resolution had been proposed by his old friend and predecessor. He had received sufficient reward in the pleasure he had derived from the work involved. He did not want it to be thought that he was giving up the office because he had fears for the financial future of the Society, for he had the greatest confidence in its stability. He was glad that his successor was a man of so much experience, for Mr. Keall had all the qualities necessary to make an excellent treasurer. (Applause.)

OFFICERS REAPPOINTED

The secretary and registrar (Mr. H. N. Linstead), the resident-secretary in Scotland (Mr. J. Rutherford Hill), and the editor of the Journal (Mr. J. P. Gilmour) were reappointed.

The PRESIDENT moved that the Standing Orders, with the exception of No. 1 with reference to the hour of the meeting of the Council, be readopted, and this was agreed to.

COMMITTEES APPOINTED

The following standing committees were appointed, with the president and vice-president as *ex-officio* members of all committees:—

Benevolent Fund.—Mrs. Freke, Messrs. Antcliffe, Beardsley, Bilson, Hardy, Jack, Keall and Simmons.

War Auxiliary Benevolent Fund.—The members of the Benevolent Fund Committee.

Finance.—Messrs. Bilson, Deacon, Guthrie, Jenkin, Keall, Neathercoat, Parry and Peck.

Publications.—Messrs. Guthrie, Humphrey, Jenkin, Marns, Parry, Peck, Skinner and Wells.

Law.—Mrs. Freke, Messrs. Antcliffe, Beardsley, Jack, Marns, Rowsell, Simmons and Wells.

Establishment.—Messrs. Deacon, Guthrie, Hardy, Humphrey, Jenkin, Peck, Rowsell and Skinner.

Education.—Mrs. Freke, Messrs. Deacon, Guthrie, Humphrey, Jack, Parry, Peck and Rowsell.

Organisation.—Messrs. Antcliffe, Beardsley, Hardy, Keall, Marns, Neathercoat, Simmons and Wells.

Representatives of the Council were appointed to other committees as follows:—

Parliamentary Fund.—The president, the vice-president and Mr. Neathercoat.

British Pharmaceutical Conference Executive.—The president, Messrs. Beardsley, Marns and Skinner.

Departmental Committee Report.—The president, the vice-president, Messrs. Guthrie, Marns, Neathercoat, Parry and Skinner.

Quarterly Journal of Pharmacy—Editorial Committee.—Messrs. Humphrey, Peck and Skinner.

ELECTIONS AND RESTORATIONS

Twelve persons were elected members of the Society, and nine persons as student-associates. A number of persons were restored to the Society, and one person to the register. The registrar reported that sixty persons had been registered as apprentices or students.

PETRIE TRUST BURSARY

It was reported that the winner of the Petrie Trust bursary, for which eleven candidates competed at Aberdeen, was Mr. James Penny, of Aberdeen.

EDUCATION COMMITTEE

The report of the Education Committee showed that a number of schools had been approved for subjects in connection with the Society's examinations. The report was adopted.

BENEVOLENT FUND COMMITTEE

The report of the Benevolent Fund Committee showed that ten applications had been received, and grants made ranging from £12 to £39. The following special contributions were acknowledged:—Exeter and District Branch, £9 3s. 1d.; T. & W. & W. Southall, Ltd., £5 5s.; Aberdeen and North-Eastern Scottish Branch, £5; "Nosmos," £5; Preston and District Pharmacists' Association, £3 18s.; Alchemy Lodge, £3 3s.; Alchemy Lodge, £2 12s. 6d.; Southampton Branch, £2 5s. 6d.; Northampton Pharmacists' Association, £2 2s.; J. E. Howard, 11s. 6d.; R. Deck, 5s. 6d.

Mr. KEALL said there had again been a very interesting set of contributions, and he was very glad to receive money for the fund from such varied sources. Although it was regrettable that the interest in the fund had not been maintained at the level it should be, in spite of the appeals at the Council meetings and elsewhere, he was still hopeful that the subscriptions would be increased. (Hear, hear.)

The report was adopted.

WAR AUXILIARY BENEVOLENT FUND

The committee of this fund reported that during the month four applications had been considered, and grants made ranging from £10 to £26. The report was adopted.

FINANCE COMMITTEE

The financial statement showed that receipts since the last meeting, including a balance of £16 3s. 1d., amounted to £7,430 18s. 5d., comprising the following items:—Subscriptions, £1,194 18s.; registration fees, £130 4s.; examination fees, £1,434 6s.; certificates of qualification, £1 1s.; school deposit, £3 10s.; pharmacological laboratories, £224 14s.; penalties, £135 12s. 3d.; "Pharmaceutical Journal," advertisements, etc., £1,224 19s. 4d.; "Quarterly Journal," £27 8s. 1d.; "Pharmaceutical Pocket Book," £7 6s. 2d.; Year Book index, £4 3s. 4d.; Registers, £17 6s. 3d.; examination questions, £13 0s. 10d.; Pharmaceutical Press publications, £10 19s. 2d.; B.P. Codex, £44 15s.; "Forensic Pharmacy," £8 7s. 5d.; interest on investments, £335 18s.; deductions for F.S.S.U., £36 5s. 6d.; sundries, £10 1s.; transfer from deposit account, £2,550. Payments ordered at the last meeting amounted to £7,389 12s. 7d., leaving a balance of £41 5s. 10d. The balances on the other accounts were:—Benevolent Fund (current account), £43 3s. 1d.; Benevolent Fund (donation account), £35 15s. 11d.; War Auxiliary Benevolent Fund £69 13s. 6d.; Orphan Fund, £13 10s. 3d. The report recommended that accounts amounting to £6,119 5s. 11d. be paid, and that the action of the secretary in making payments amounting to £1,203 14s. 10½d. be approved. The report was adopted.

BRITISH PHARMACEUTICAL CONFERENCE

At a recent meeting of the Executive, the secretaries reported further correspondence from the Aberdeen and North-Eastern Scottish Branch of the Society suggesting that either the first week in July or the third week in September would be most suitable for the proposed meeting of the Conference in Aberdeen in 1932. It was the opinion of the Executive that the first week in July would be the more convenient. It was suggested that the Conference should consider the possibility of an invitation to meet in London in 1933.

Details of the programme for the Cardiff meeting were discussed. The arrangements were reported by the local secretary to be well in hand.

This was all the public business.

Branch Meetings

Edinburgh.—The annual meeting of the Edinburgh and South-Eastern Scottish Branch was held on May 28. Mr. David Harley in the chair. The chairman said since last meeting they had suffered a loss in the death of a well-known member of the branch, Mr. J. H. Scroggie. Mr. Arthur Cairns (secretary) submitted the annual report, indicating that the branch had had a successful series of meetings and the financial statement indicated a balance in hand of £12 13s. The report and financial statement were unanimously adopted. The office-bearers and committee were elected as follows:—*Chairman*, Mr. Peter Nisbet (Leith); *Vice-Chairman*, Mr. John Gilmour (Dunfermline); *Secretary and Treasurer*, Mr. Arthur Cairns (Edinburgh); *Committee*: Misses M. G. Boag (Edinburgh) and I. A. Purdie (Edinburgh), Messrs. D. B. Dott (Musselburgh), David Harley (Musselburgh), James S. B. Heddle (Leith), W. G. McNab (Gorebridge), J. R. Sutherland (Dalkeith), J. H. Tainsh (Edinburgh), John Watson (South Queensferry) and Thomas Wilson (Burntisland). Mr. Peter Nisbet gave an address on: *Health Services under the Local Government (Scotland) Act, 1929*. He said he felt it was quite time someone should speak out with reference to the movements by local authorities to invade the sphere of the retail pharmacist. It was quite common now for child-welfare centres to give out all kinds of infant and invalid foods, mixtures, emulsions, liniments, etc. In regard to parish council dispensing, a fairly satisfactory arrangement had been made locally. There was a movement on foot under the National Health Insurance to bring in wives and dependents. The report of the Departmental Committee on the Poisons and Pharmacy Acts was another item having a bearing on the situation to which he was referring. It was only reasonable to claim that as a trained body of experts in pharmacy they ought to be entrusted with the dispensing of all medicines. Mr. Currie said this was a very serious matter. It was a form of competition that could not easily be met. Mr. Wilson said Mr. Nisbet appeared to think this evil was the peculiar grievance of the city pharmacist, but he would like to say that they felt it also in the country districts. Mr. Harley thought that on the whole they should accept the position that any general public pharmaceutical service would require to be on terms similar to that under the National Health Insurance scheme. The movements in regard to child-welfare centres and such like during the last ten years had vindicated themselves in the improved health of babies and young children. Mr. Gilmour said that in regard to Poor Law medicines the system in his town worked satisfactorily, each pharmacist having the work in rotation. Mr. Hill said there could be little doubt that the co-ordination of the medical services now being carried out would, for the most part, be on the basis of the National Health Insurance Pharmaceutical service. The Department of Health for Scotland had indicated, in response to a communication from the Executive, that they recognised the advantages of the scheme, and that when they were consulted by local authorities they would keep this point in view. Dr. Tait said Mr. Harley had appealed to him to confirm what he had said about the British Medical Association health scheme. He had heard a statement the other day by the chief medical officer of the Department of Health for Scotland, who proposed to make the family medical doctor the pivot of the whole scheme. Mr. Tainsh said some chemists felt the pinch of these things more than others. They felt that business was going away from them. The chairman said he would put it to the meeting whether they were agreed that this whole matter should be referred to the Committee of the Branch with powers to meet with medical practitioners, if such a scheme was found practicable, and to report to a meeting of the Branch on a later date. The proposal was unanimously approved. On the motion of Mr. Thomas Wilson, a cordial vote of thanks was awarded to the retiring chairman.



THE CHEMIST AND DRUGGIST

RETAIL & DISPENSING

PRICE LIST

based on definite costing principles

ISSUED QUARTERLY NINTH YEAR OF PUBLICATION

THE drug index for April was 129.2, against 130.2 for the preceding month. It will be noticed once again that there is a steady decline, small but persistent. The cause is mainly due to bismuth salts, but there is an increase in prices of tinctures, due to the advance in alcohol. The surgical dressings are also slightly down, being for May 171.8, against 172.8 in April. The change is due to the price of lint. The chief alterations in prices for carrying forward are:—

Cost			Selling Price			
d.	per		16 oz. s. d.	4 oz. s. d.	1 oz. s. d.	1 dr. s. d.
108	lb.	Bismuthi carbonas ..	—	3 8	1 0	0 2
12	oz.	Bismuthi citras ..	—	—	1 9	0 3
12	oz.	Bismuthi subgallas ..	—	—	1 9	0 3
96	lb.	Bismuthi subnitras ..	—	3 3	0 11	0 2
28	oz.	Ext. hydrastis liquidum C	—	—	4 1	0 7
90	oz.	Ext. opii siccum.. B, F	—	—	—	2 0
43	lb.	Ferri et ammonii citras ..	—	1 6	0 5	0 1
14	oz.	Ferri et quinae citras..	—	—	2 1	0 4
72	lb.	Hydroquinone ..	—	2 5	0 8	0 2
102	lb.	Liq. opii sedativus B.P.C.	—	—	—	—
		B, F	—	3 8	1 0	0 2
39	lb.	Potassii citras ..	—	1 4	0 5	—
11	oz.	Pulv. ipecacuanhæ co.	—	—	—	—
		B, ex F	—	—	1 7	0 3
39	lb.	Sodii citras ..	4 11	1 5	0 5	0 1
24	lb.	Syr. chloral .. C	—	1 1	0 4	0 1
92	lb.	Tr. opii .. B, F	—	3 0	0 10	0 2
66	lb.	Tr. valerianæ ammoniata	—	2 3	0 8	0 2

Personalities

MR. R. C. FEATHER, B.A., B.Sc., a director of Meggeson & Co., Ltd., London, S.E.16, has taken the diploma in bacteriology of the Battersea Polytechnic, of which he has been an evening student for the past three years.

MR. H. LONG, chemist and druggist, Chippenham, has, for the second year in succession, been elected chairman of the local chamber of commerce, and has served over the same period as vice-chairman of the local branch of the British Legion.

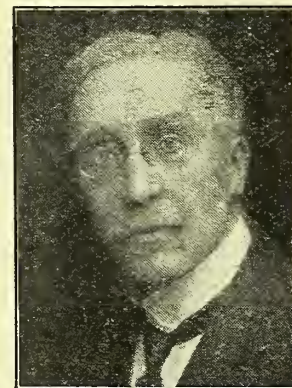
MR. R. CECIL OWEN, B.Sc., chemist and druggist, president of the Chester Rotary Club, who sails for the United States of America on June 7, is the bearer of a letter of greetings from that city to the citizens of Chester, Pennsylvania.

At the annual meeting of the Provincial Grand Chapter, R.A., held at Huddersfield, on May 28, Mr. S. N. Pickard, J.P., chemist and druggist, Ossett, was invested as Provincial Grand Standard Bearer for the province of West Yorkshire.

BRO. D. A. REES, Ph.C., F.S.M.C., Loughborough Junction, London, S.W., was recently installed W.M. of St. Marys Lodge No. 63 by W.Bro. S. A. Knaggs, P.G.S.B., P.A.G.D.C., I.P.M. Among those present connected with the drug trade were: W.Bro. G. A. Tocher (W.M. Good Fellowship Lodge); Bro. A. G. Wrench; and Bro. F. Atkinson.

MR. THOMAS JAMESON, barrister-at-law and deputy chief inspector of his Majesty's Customs and Excise department, who has recently retired under the age-limit rule after upwards of forty-four years' service, was recently given an official farewell at the Custom House, London, by a large and representative company. Sir John Ritchie (chief inspector), having paid a high tribute to the value of Mr. Jameson's services to the department, Mr. Haines, on behalf of numerous subscribers, presented tokens of esteem and good wishes to Mr. Jameson and members of his family. During the early period of his service, Mr. Jameson was attached to the Somerset House Government Laboratory as an assistant analyst. He served later as an officer and supervisor of Inland Revenue; a surveyor of Customs and Excise; an inspector under the National Health Commission; a collector of Customs and Excise; and finally as an inspector attached to the chief office. As deputy chief-inspector, Mr. Jameson has been a technical adviser to the Board of H.M. Customs and Excise on questions arising in connection with spirits, the liability of certain medicines to patent-medicine duty, and other matters.

MR. A. R. MELHUISE, Ph.C., the newly-elected president of the Pharmaceutical Society, served his apprenticeship with Williams & Peters, London, N.W., and followed this training with work in the laboratories of Idris & Co., at that time under the direction of Dr. W. H. Symons. He passed the Major examination in 1891, and was subsequently with Squire & Sons, Oxford Street, W.1, for two years. In 1898 Mr. Melhuish acquired the business of E. Burden & Co., Duke Street, Grosvenor Square, W.1, which he still carries on. During the war he acquired the goodwill and prescription-books of a neighbouring pharmacy,



MR. A. R. MELHUISE, Ph.C.

founded in the reign of George III. and at one time owned by Mr. William Bastick, the originator of the formula for ammoniated tincture of quinine. Mr. Melhuish has been president (in 1914-16) of the Western (London) Pharmacists' Association, a member of the Pharmaceutical Society's board of examiners for England and Wales, and an energetic member of the London Insurance Committee. He served a term of office as chairman of the Retail Pharmacists' Union Executive, and gave evidence before the Royal Commission on National Health Insurance, and also before the Departmental Committee on Morphine and Heroin Addiction. Mr. Melhuish has for many years, as a member of the Science Committee, taken part in the work of revising the British Pharmaceutical Codex.

THE list of honours issued on the occasion of the King's birthday includes very few names of any interest to the drug trade. Among those who have any relations with the wholesale or retail trade are the Right Hon. Noel Edward Buxton, Minister of Agriculture and Fisheries, who receives a peerage; Professor Leonard Erskine Hill, director, Department of Applied Physiology, National Institute of Medical Research; and Mr. Herbert Wright, chairman of the Executive Committee, Imperial College of Science and Technology, South Kensington, each of whom receives a knighthood; Mr. B. G. Crewe, Principal, Patent Office, Board of Trade, who is made an officer of the Order of the British Empire. Only one pharmacist, so far as we are aware, has received recognition: we refer to Mr. Alfred H. M. Purse, secretary to the Welsh Health Insurance Committee and clerk to the Cardiff Insurance Committee, on whom the membership of the Order of the British Empire has been conferred.

Trade Notes

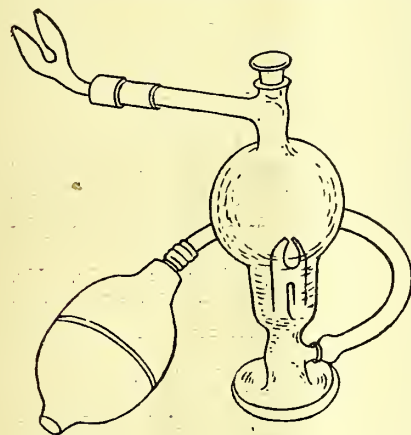
ZIX-PADS are obtainable from Hinders, Ltd., 174 Est-court Road, London, S.W.6.

DRIED MILK.—Prideaux's, Ltd., Notcombe, Shaftesbury, are desirous of getting in touch with large buyers of dried milk.

KODAK, LTD., Kingsway, London, W.C.2, publish on another page a letter relating to the use of Velox and Kodak bromide papers.

VEET BONUS.—Dae-Health Laboratories, Ltd., 68 Bolsover Street, London, W.1, announce that the bonus offer in regard to Veet expires on June 30.

MEDICAL SPRAYS.—Britton, Malcolm & Waymark, Ltd., 38 Southwark Bridge Road, London, S.E.1, in-



form us that they have acquired from R. J. Reuter, Ltd., the latter's business in medical sprays and atomisers. In order that there shall be no deviation from the high standard which has characterised these instruments the new proprietors have also taken over the expert staff engaged in manufacturing operations, thus the identical models will be available and at the same prices as previously. In addition to special types, there are some fifty standard patterns to select from, and several which we tested with a heavy oil (considerably heavier than is generally employed even in those intended for oily solutions) gave a voluminous cloud on the slightest pressure of the bulb. The spray here illustrated is the Ariston all glass nebulator No. 2A for throat or nose. This has an indirect action as the oil is thrown with great force on to the globe part and becomes so finely divided that a smoke-like cloud is evolved. The quality of the india-rubber bulb is in keeping with the remainder of the apparatus, and each model is separately and neatly boxed. Chemists interested in medical sprays and atomisers can be recommended to send for the price list of these products, the more popular of which are illustrated therein.

THE J. B. WILLIAMS CO. state that the alteration in the distribution of their products will take place on October 1, and not as previously announced.

AGFA, LTD., Vintry House, Queen Street Place, London, E.C.4, are to advertise their photographic films and cameras on the front page of the "Daily Mail" on June 7.

QUIN-QUENNA SHAMPOOS.—William Edwards & Sons, 14-18 Nile Street, City Road, London, N.1, will send particulars of window display terms for Quin-Quenna shampoo powders on application.

MANUFACTURERS desirous of selling their products through the drug trade without organising distribution should communicate in the first instance with Mr. Stanley Worth, 35 New Broad Street, London, E.C.2.

ENSIGN DISPLAY WEEK.—Ensign, Ltd., High Holborn, London, W.C.1, are inviting photographic dealers to co-operate with them in an intensive advertising campaign during the week June 23 to 28. Prizes amounting to £600 are being offered for the best dressed windows.

ALLEN & HANBURY'S, LTD., Bethnal Green, London, E.2, ask us to call the attention of subscribers to the new prices for Café Vierge. So far as the public is concerned the reductions do not take effect until July 1.

WARRICK BROTHERS, LTD., 6 Nile Street, City Road, London, N.1, have sent us a sample of their Sting Drops. The product is packed in an attractive container, which allows of the application of one drop. Six containers are mounted on a neat showcard.

BURGOYNE, BURBIDGES & Co., LTD., manufacturing chemists, East Ham, London, E.6, announce that the winners of the competition organised in connection with visits to their stand at the recent Chemists' Exhibition were: (1) Mrs. Lloyd Jones, 5 New End, London, N.W.3; (2) Miss E. Simcock, 311 Goswell Road, London, E.C.1.

HAZELINE SNOW IN TUBES.—Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C.1, have added to their list of products a collapsible tube packing of Hazeline Snow. In tubes it will make an ideal companion sale for Hazeline Snow in pots—the tube for the handbag, the pot for the dressing-table. The convenience of the packing will doubtless result in its promptly becoming a pronounced favourite amongst customers of both sexes.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1930, p. 341.

(From "The Trade Marks Journal," May 14, 1930.)

- "TUE BOR" with circular representation of gladiatorial figure; for chemicals (1). By R. S. Brown, 36 Manor House, Marylebone Road, London, N.W.1. 498,610.
- "NIVOSAL"; for chemicals (1). By I. G. Farbenindustrie A.G., 28 Mainzer Landstrasse, Frankfurt-on-Main, Germany. 504,297. (Associated.)
- "ICI" in circle containing wavy lines ("I.C.I." or "Ici" disclaimed); for chemicals (1); agricultural chemicals (2); medicinal chemicals (3); scientific apparatus (8); food substances (42); soap, etc. (47); perfumery, etc. (48); and for goods (50). By Imperial Chemical Industries, Ltd., Millbank, London, S.W.1. 507,717/718/719/724/745/747/748/750. (Associated.)
- "PERCIVAL'S OINTMENT" with label design incorporating head of a dog, a horse and a cow ("Percival's" disclaimed); for a veterinary ointment (2). By L. G. Percival, "Kismet," Hanley Swan, Worcester. 509,357.
- "McDOUGALL'S POLVO"; for an insecticide (2). By Cooper, McDougall & Robertson, Ltd., Ravens Lane, Berkhamsted, Hertfordshire. B510,628.
- "MYLADIS"; for disinfectants (2). By Solidol Chemical Ltd., Ashmead Works, Disney Street Borough, London, S.E.1. 511,922.
- "VELVO"; for corn plasters and foot preparations (3). By Johnson & Johnson (Great Britain), Ltd., Fairlie Road, Slough, Buckinghamshire. 505,868. (Associated.)
- "GLEN BRAND" with label design incorporating landscape scene; for medicines (3). By Carter Bros., 45 Valley Road, Shipley, Yorkshire. 509,777.
- "CUTIERS"; for headache preparations, etc. (3). By Perry's Powders, Ltd., 1 Kelsall Street, Leeds. B510,044.
- "OSMOND & SON, LTD., GRIMSBY" with circular device including arm and arrow with words "HEALTH AND HEALING"; for medicinal chemicals (3). By Osmond & Son, Ltd., Doughty Road, Grimsby. 511,079. (Associated.)
- "OLEMUL"; for medicinal chemicals (3). By Petrolager Laboratories, Ltd., Braydon Road, London, N.16. 511,603.
- "DAWTON"; for a medicine (3). By J. Dawe, 38 Mayfield Road, Sutton, Surrey. 511,846.
- "ORASTHEN"; for medicinal chemicals (3). By Bayer Products, Ltd., 31 to 34 Basinghall Street, London, E.C.2. 512,009.

Births

Notices for insertion in this column must be properly authenticated.

MACLEAN.—At 19 Christie Gardens, Saltcoats, on May 31, the wife of Alexander MacLean, chemist and druggist, of a daughter.

O'DELL.—At St. Brelades, The Dicker, Sussex, on May 30, the wife of J. B. O'Dell, M.P.S. (T. H. Parker (Hailsham), Ltd., chemists, Hailsham), of a son.

Marriages

CROASDALE—ASHWORTH.—At Burnley Wesleyan Chapel, recently, Harold Leon Croasdale, chemist and druggist, to Elizabeth Ashworth.

MOTE—NETTLETON.—At St. Paul's Church, New Beckenham, Kent, on May 30, Lester Charles Mote, chemist and druggist, eldest son of Mr. C. F. Mote (S. Maw, Son & Sons, Ltd.), to Eva Nettleton, Harrogate.

Deaths

BECK.—At Bury House Nursing Home, Bush Hill Park, on May 25 and 28, the twin sons of Mr. Kingsley Beck, chemist and druggist, 61 Church Street, Enfield.

BRYAN.—At Exmouth Cottage Hospital, recently, following an operation, Mr. Ernest George Bryan, chemist and druggist, 43 Exeter Road, aged forty-seven. Mr. Bryan had been in business in Exmouth for the past two years, and great sympathy is expressed with his widow and daughter in their sudden bereavement. At the funeral, which took place at Withycombe, Exmouth, on May 28, Evans, Gadd & Co., Ltd., Exeter, were represented by Mr. W. T. Symes, and the pharmacists of Exmouth by Messrs. J. B. Braid, A. Derry, A. Nicholson and W. Pope.

BUTTERY.—On June 2, Mr. H. Buttery, 51 Scarcroft Hill, York, a representative of Raimes & Co., wholesale druggists, Micklegate House, York. Mr. Buttery had been in Messrs. Raimes & Co.'s service since the year 1888. He commenced travelling in 1894, and continued up to July 1928, when he was compelled to retire owing to ill health. Mr. Buttery was known to a wide circle of customers and friends in the West Riding of Yorkshire, Lancashire and the North Midlands. He was a most successful traveller, and endeared himself to his customers by his cheery and genial disposition.

CORBETT.—At 87 Main Street, Bangor, on May 28, Wilhelmina (Willina), youngest daughter of the late Mr. William Corbett, R.D., Enfield Medical Hall, Crumlin Road, Belfast.

DANGERFIELD.—On May 28, Mr. Edward Dangerfield, chemist and druggist, of Kingswood, Bristol, aged seventy-eight.

DAY.—At "Fernlea," Wetherby, on May 22, Mr. John Day, Ph.C., late of Leeds, aged eighty-eight.

FLETCHER.—At 47 Woolwich Road, Belvedere, on May 30, Mr. W. Fletcher, chemist (Knowles, Fletcher & Co., Ltd., chemists, 7 Bexley Road).

MOWAT.—At Bath, on May 29, Miss Ellinor Jane (Noreen) Mowat, Ph.C., librarian of the Pharmaceutical Society of Great Britain. Miss Mowat passed the Major examination in 1923.

RAGG.—At Lower Edmonton, on May 27, Mr. William Watkins Ragg, chemist and druggist, aged seventy-six.

RICHARDS.—At his residence, Kirby House, Kirby Road, Coventry, on June 2, Mr. Frank Rupert Granville Richards (Loveitt & Bones, Ltd., Hertford Street),

aged fifty-two. Mr. Richards was a native of Henbury. He served his apprenticeship to Mr. T. E. Cooper, chemist, Macclesfield, and subsequently became manager for Messrs. Loveitt & Bones, whose business he acquired a few years ago. Mr. Richards invented and patented the "Richards Anti-Rust" for iron and steel, and this was adopted for most of the bombs and grenades used during the great war. He was greatly interested in all affairs concerning Coventry, and had made a wide circle of friends.

TOMLINSON.—At Lindow Lodge, Wilmslow, Manchester, on May 27, Mr. Thomas Conway Tomlinson. Mr. Tomlinson carried on the business of chemists' valuer and transfer agent founded by his father over seventy years ago.

VOGT.—In a nursing home at Kendal, on May 30, Mr. George Vogt, chemist and druggist, proprietor of Edmondson & Vogt, chemists, 30 Highgate. Mr. Vogt, who qualified in 1894, carried on business in Kendal for about forty years. He was elected to the Town Council three years ago, and served on several of its committees. Mr. Vogt was in charge of the x-ray department of the Westmorland County Hospital, and was president of the Kendal Rotary Club. He leaves two sons.

WIGGLESWORTH.—Recently, Mr. Michael Henry Wigglesworth, chemist and druggist, 26 Turner Street, Blyth, Northumberland, aged forty-six. Mr. Wigglesworth was a member of the Blyth District Council for ten years, and produced several musical comedies and plays locally.

WYATT.—At Shirley, Birmingham, recently, Mr. Samuel Wyatt, chemist and druggist, aged sixty-seven.

Wills

MR. GERARD YARDLEY GIBBS, of Delafords Cottage, Epping, Essex, a director of D. & W. Gibbs, Ltd., left £11,680, with net personalty £7,771.

MR. CHARLES TAYLOR COCKBURN, J.P., F.C.S., of Danefield, Largs., N.B., chemist and druggist, managing director of Cockburn & Co., Ltd., Glasgow, left personal estate in Great Britain valued at £42,882 15s. 9d.

MR. JACOB PILLISCHER, of 9 Carlton Hill, St. John's Wood, N.W.8, and of J. Pillischer, Ltd., 88 New Bond Street, W.1, scientific instrument manufacturers, left £21,814 3s. 11d., with net personalty £21,651 16s. 8d.

MR. JOHN MARTIN CORFE, M.P.S., of Beech Holme, Tonbridge Road, Maidstone, a director of Corfe & Son, Ltd., who died on February 18 last, aged fifty-eight years, left estate of the gross value of £8,791 19s. 10d., with net personalty £7,508 7s. 4d.

MR. LEONARD JOHNSON, of Lansdowne, St. George's Road, St. Margarets-on-Thames, for over thirty years manager of the drug department Army and Navy Co-operative Society, Ltd., left estate of the gross value of £1,355 2s. 1d., with net personalty £986 8s. 1d.

MR. THOMAS GREEN, Ph.C., of Limehurst, Holland Park Road, Belfast, a director of Grattan & Co., Ltd., chemists, 7-9 Corn Market, Belfast, who died on February 21 last, aged eighty-seven, left personal estate in England and Northern Ireland valued at £3,261 5s. 8d.

Information Department

INFORMATION WANTED

H/36. Albuplast	D/165. Lady Sayner's compact
C/275. B. & O. bandages	powders
(semi-elastic)	F/46. Miggolax
M/265. Camphorine (veterinary preparation)	T/46. Meltoma ointment
B/46. Jersey eye black	N/46. Nurse Thompson's pills
B/265. Kamillosan for the gums	B/46. Pymeston tablets
D/265. Lear's balsamic tablets	B/265. Solvolith tooth-paste
	W/285. Tarry scap

Observations and Reflections

By Xrayser III

Mr. Gamble's Lead

is a good one (*C. & D.*, May 31, p. 669), deserving of the fullest consideration by those responsible for advising the Council of the Pharmaceutical Society how the draft Pharmacy and Poisons Bill can be made a really satisfactory measure. He appears to approve generally of Part I of the draft Bill, though even that requires some amendment, particularly in the direction of maintaining our rights in the title "chemist." The only words dealing with this point seem to have been added to Clause 5 as an after-thought, and I should like to feel assured that those words would not have an unduly restrictive effect on our use of the title. We must not let our feelings of dissatisfaction with the provisions of Parts II and III of the draft Bill concentrate our attention unduly on those, to the exclusion of Part I with its own peculiar faults. Mr. Gamble's views of the deficiencies of Parts II and III should be those of the rest of us. Pharmacy needs fuller representation on the proposed Poisons Board than has been planned; we ought not to agree with the unchecked autocracy of a Secretary of State, and there is need for strenuous protest against the inadequate arrangements suggested for shaping a new poisons schedule.

Co-operative Pressure

seems likely to cause us trouble in more ways than one. But in no way is such pressure being applied more unfairly than in the direction of securing that the Ministry of Health shall remove its objection to the allowing of so-called dividends on National Health Insurance prescriptions (*C. & D.*, May 31, p. 668). If co-operative societies are at any time permitted to dispense medicines for insured persons at "cut" rates, it may be taken for granted that chemists on the panel will feel that they are equally entitled to make some similar concession to their customers, even to the extent of entirely sacrificing their modest profit on the business. What may be regarded as a natural consequence by the powers that be, may be a proposal to reduce the already inadequate dispensing fee, on the ground that those who can afford to share the profit with their customers cannot need so much as they are receiving.

Mr. Skinner

lends force, with his election memories, to your suggestion (*C. & D.*, May 24, p. 637) that the confidence of the pharmaceutical electorate in particular members of the Society's Council was waning. But this failing support does not materially affect the result, since a majority of ten is as good as one of several hundreds in securing the return of any member. Moreover, any moral effect of a reduced majority is soon effaced, and it needs a constant observer like Mr. Skinner to bring back to our recollection the facts of bygone elections. It was news to me that any candidate ever polled so large a percentage of the total votes recorded as is shown for the years 1921, 1922 and 1924. Cross-voting is all against such high percentages, and I should imagine there was an extraordinary amount of cross-voting this year. Incidentally, it is once more evident that a large number of members of the Pharmaceutical Society fail to pay their subscription until it is too late for them to take part in the year's election. In the registrar's report for 1929, if I recollect aright, the membership of the Society was stated to exceed 14,500. But only 13,225 voting papers were sent out, thus indicating that twelve hundred or more had failed to pay up in time to be able to vote.

A More Excellent Example

of the value to pharmacists of your "Pharmaceutical Formulas" it would be difficult to find than that indicated in your note in last week's Commercial Compendium (p. 681) on the smelling bottle. This is an article in regular demand, it is always sought for at the hands of the chemist, and with over a score of formulas at his hand he should never be at a loss to please a client and retain her, because every regular user of such an article is apt to be "faddy" about its composition. The invention of the smelling-bottle almost certainly took place about two hundred years ago. Its essential constituent, the *sal volatile oleosum*, is credited to one of the best-known iatro-chemists—Franciscus Sylvius de le Boë—whose life extended over the greater part of the seventeenth century. The method of making is given by Nicholas Lemery in his "Cours de Chymie," published in the middle of the seventeenth century. Equal quantities of *sal ammoniac* and salt of tartar with some spirit of wine were heated together in a closed vessel, and the volatile salt collected in a cooled receiver. "When it is left distilling . . . separate the Volatile Salt and weigh it . . . and for every ounce of Salt pour a drachm and a-half of Aromatick Essence extracted from one or many plants, flowers or fruits, as the Essence of Cinnamon, Mace, Cloves, Mint, Rosemary." These were mixed together and again heated in a vessel with a receiver, and the aromatised volatile salt again collected and put into "a Viol well stopt." Lemery says further (English edition 1698):—"This a great sudorifick: it is a good Cordial and Cephalick. It is good against a Lethargy, the Palsy, Scurvy, malignant Fevers, Small Pox and Plague; it brings the Months to Women and removeth hysterical Vapours."

These Salts

began their career as a medicine, and as a medicine for internal use; they were put into bottles primarily because of their rapid volatility. They were not associated in any way with odoriferous mixtures employed at that time for warding off the plague and objectionable effluvia. The subsequent history of the smelling-bottle has something of a national character. In the course of a few years changes in the process took place, and particulars of them are given by Boerhaave in his "New Method of Chemistry," in a chapter which he calls "Chemical History of Volatile Oily Salts, made by means of Sal-ammoniac." In this is a passage giving the clue to the period when the smelling-bottle came into use. After recounting a process similar to Lemery's, he says (in the English edition of 1727):—"The design of the process might likewise be effected with a mixture of different essential oils, as well as compound spirits; so as to yield a *sal volatile* of any medicinal virtues that shall be required. But if a dry aromatic salt, without any volatile spirit be the thing in view no alcohol need be added, and only a proper proportion of essential oil poured to the dry salt before obtained: then the operation being performed in the gentle manner above mentioned, a dry, white, aromatic saponaceous salt will sublime and adhere to the sides of the glasses. And thus all those commonly called by the name of *English salts* are constantly prepared." The English editors—Peter Shaw and E. Chambers—supply a foot-note:—"These are the volatile salts which the ladies generally carry in their pocket-bottles and usually by foreigners termed *English salts*." There does not seem to be much, if anything, to be added to this short account of the origin of the smelling-bottle; but the history of its varieties is not uninteresting!



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Editorial Articles

Comparing the Standards

To those of our readers who are interested in the history of British weights and measures (an outline of which was set forth in our Special Issue of June 29, 1929, pp. 817 *et seq.*), and especially to those who have "kept up" their mathematics, the purchase of a report by the Board of Trade on comparisons of the parliamentary copies of certain imperial standards of length and weight with each other and with the respective metric standards (Cmd. 3507, 1s. 3d.) may be recommended. As we pointed out in the article mentioned, in discussing the construction of standards of length and weight in the middle of the past century, the verification of any standards of length—and still more, perhaps, of any standards of weight—is a matter of extreme care and accuracy in observation and one in which finality is exceedingly difficult to attain. The report before us begins by reciting the obligation set forth in the Weights and Measures Act, 1878, to have the parliamentary copies of the imperial standard yard and pound compared with each other once in ten years and with the imperial standards themselves once in twenty years. The proceedings with which the report is concerned commenced in 1922, when it was decided to include the imperial standards in the comparisons, although comparison in their case was not actually due until 1932. The details of the necessary operations as given in the report are full of interest, but we can only summarise them briefly. In the comparisons were finally included eight yard bars and eight pound weights, each of which was directly compared with each other of its own kind. About the same time, a request was received from the Bureau International for the return of the British national copy (No. 16) of the international prototype metre for recomparison with the prototype and with other copies. This bar had been supplied in 1889. It was afterwards decided to have the British national copy of the kilogram (No. 18), which also had not been verified since 1889, again compared with the international standards. Lastly, it was decided to complete the work by making redeterminations of the relationship between the imperial standard pound and the British national copy of the kilogram. We pass to the general results obtained by the series of weighings which were carried out. While the imperial standard yard and its three original parliamentary copies have remained mutually consistent since 1852, the immured copy has shortened, in relation to the imperial standard, by nearly 0.0001 inch in the seventy years, and a copy made for the Board of Trade in or since 1878 has shortened by 0.0002 inch. As to the standards of weight, the immured parliamentary copy of the pound has gained in mass

since 1846 by 0.006 gr.; the imperial standard pound, on comparison with the international kilogram, appears to have lost to the extent of about one part in five millions since 1883; and the British national copy of the kilogram has diminished by 0.02 mgm., which is only one part in fifty millions, since 1889. The brief conclusions of the Deputy Warden's report on the details of the work are: first, that the standard of length needs to be replaced by one of greater accuracy; secondly, that, as the International Committee for Weights and Measures has suggested, it is hoped that the prototype metre may be superseded by a definition in terms of a wave-length of light; and thirdly, that for the standard of mass no better material appears to be available than the platinum-iridium alloy of which the kilogram standards are made. A few of the details of the redetermination of the standard pounds may be mentioned. As we have indicated, a complete intercomparison of the weights in pairs was made, involving twenty-eight combinations of eight weights. These intercomparisons were made independently by two observers; each of whom duplicated the work by repeating it on a second balance. The readings of the oscillations of the beam when set in motion were taken in one case by means of a telescope situated about five feet in front of the balance; and in the other a somewhat different method was employed, to which the Deputy Warden gives preference. All the weights, with the exception of the new one, were carefully cleaned before use by the application of a mixture containing ether, alcohol and ammonia. The last previous occasion on which the relation between the pound and the kilogram was determined was in 1883, when the value one pound = 453.5924277 grams was obtained; the value of 453.5943 grams was made legal by Order in Council in 1898. This value exceeds that now found by 0.000085 gram (which, as we have mentioned, is not quite one part in five millions). The Deputy Warden concludes that the amount of this difference is appreciably greater than can be accounted for by probable experimental error; and he warns us of the possibility of a progressive divergence between the British and metric standards of mass.

The Position of Tinnevely Senna

DURING the past few months the market for Tinnevely senna has been very depressed owing to large parcels of liquidation stocks offering for compulsory sale. It would appear that the bulk of these offerings (particularly the cheap grades) has now been absorbed and the market has consequently settled down to more stable conditions. Overland type samples of the new Tinnevely crop have recently arrived in London, and examination shows that the colour of the leaves is not particularly good and the grading (uniformity of leaf and presence of stalks, etc.) rather lower than that of last season. No. 1 leaves of the new crop for shipment from India are offered at 5d. per lb.; No. 2 at 3½d. per lb.; No. 3 at 3d. per lb.; and No. 4 at 2½d. per lb. c.i.f. London. New crop hand-picked Tinnevely pods are offered at 5½d. per lb. c.i.f., and overland type samples show a considerable falling off in quality, the colour being dark, in marked contrast to the fine greenish pods of last season. This has resulted in a rapid clearance by London merchants of the balance of old crop stocks in brokers' hands, which were offering at cheap prices, and

up to 7½d. per lb. is now being asked for prime quality on the spot, with darkish pods available at 5d. per lb. ex-wharf London terms. Recent overland type samples of so-called f.a.q. grade, quoted at 3d. per lb. c.i.f., have the appearance of being only rejections from picked pods, and would not be passed in London as f.a.q.; this lower quality is accounted for by the demand for hand-picked pods. Formerly (before hand-picked were introduced) the f.a.q. contained all the pods as collected, without the best pods being picked out. Up to a few years ago a very large c.i.f. business was done by London brokers in new crop Tinnevely senna, and there was usually a scramble to be the first in the market with the overland type samples. This c.i.f. business nowadays has practically fallen away to nothing, as buyers prefer to buy on "London dock samples drawn from the actual bales on arrival." Very few buyers are prepared to take the risk of inferior quality being shipped against c.i.f. contracts, as the arbitration allowances do not compensate them sufficiently for the non-delivery of the quality (particularly colour) they desire. For this reason the bulk of the London business is at present conducted on a consignment basis and buyers can select or match the actual quality to meet their requirements. It is possible at the present time to buy Tinnevely senna on spot, ex-wharf London terms, at cheaper prices than for forward shipment at c.i.f. rates, and this position is likely to continue for some months—providing the Indian trouble does not spread south to the senna area. Spot purchases at to-day's low levels would, therefore, appear to be reasonably safe, and any improvement in values would be quickly reflected in cabled rates for shipment.

Westminster Wisdom

Notes on Parliamentary Matters.

MANUFACTURE OF NARCOTICS

Lieut.-Colonel Fremantle asked the Home Secretary on June 2 if he was taking steps to summon a preliminary conference of countries manufacturing narcotics with a view to limitation of their output, as suggested on behalf of Great Britain at Geneva on May 14 last; and if the Soviet Republic will be invited to participate in any such conference. In reply, Mr. Short stated that the Home Secretary was not in a position to make any statement on the subject at the present time, but that the question was under consideration.

CINCHONA CULTIVATION IN INDIA

The Secretary of State for India (Mr. Bann) informed Major Pole on May 15 that he gathered from a report on the progress made in giving effect to the recommendations of the Royal Commission on Agriculture in India that the Government of India are in consultation with the Provincial Governments on the question of centralising the whole subject of cinchona cultivation and the manufacture and distribution of quinine, which, according to the Royal Commission, was the first step towards the reduction of the price of quinine in India to a level at which it would be possible to embark on an intensive anti-malaria campaign.

THE DOCTOR COULD ONLY AGREE.—"He [the late Fleet Surgeon W. Redmond, of Vancouver] once drove into a village where a quack was cracking up Indian root pills, or something unofficial. 'Ah!' said the quack to the people, 'I see over there a man of education. Sir' (addressing Redmond), 'is not this true: *Populus vult decipi*?' And Redmond said, 'It is true.' 'And, sir, is this not also true: *Decipiat*?' 'Yes, that is true, too,' said Redmond. 'Now,' said the quack, 'you see this man of education agrees with me. Can you do better than take my advice?'"—A Correspondent of "The British Medical Journal."

Evidence of the Retail Pharmacists' Union

Given Before the Departmental Committee

The following is the Memorandum of Evidence (slightly abridged) given on behalf of the Retail Pharmacists' Union, before the Committee appointed by the Lord President of the Council to consider whether any modifications are necessary or desirable in the Poisons and Pharmacy Acts, by Mr. Hubert Joseph Martin, J.P., Pharmacist, Vice-Chairman of the Retail Pharmacists' Union, Mayor of Christchurch, and Mr. George Arthur Mallinson, Pharmacist, Secretary of the Retail Pharmacists' Union, Barrister-at-Law

1. The Retail Pharmacists' Union was founded to carry on many duties which are outside the province of the Pharmaceutical Society. The membership of the Union is confined to persons, firms and bodies corporate actually keeping open shop for the sale of poisons in accordance with the requirements of the Pharmacy Acts in England and Wales, and its membership exceeds 7,000 in number out of a possible total of approximately 8,500. The Union is the body recognised by the Ministry of Health for the purposes of the National Health Insurance Act organisation, and through the local statutory Pharmaceutical Committees it represents the whole of the chemists on the insurance panel. It can and does, therefore, claim to speak for those who carry on business under the Pharmacy Acts, and it is the only body which can speak authoritatively from their particular point of view.

2. Parliament first legislated for pharmacy more than seventy years ago, and the fact that the basic principles of such legislation are still in force is evidence that such principles are fundamentally sound. The basis of that Act is the creation of an educated class of persons to be entrusted with the responsibility of distributing potent drugs.

3. The Union submits that the continuation of that policy is the best method of securing the protection of the public, and to make pharmacists mere dealers in drugs under mechanical safeguards and regulations would be a retrograde step from the public interest point of view.

4. In the opinion of the Union the regulations made under the Dangerous Drugs Acts depend too much upon irritating details and requirements with resultant annoyance and hindrance to the easy operation of the Acts.

5. It is submitted that effective protection of the public can be obtained by securing the willing co-operation of the pharmacist in the administration of any such legislation. The Union claims that those who are carrying on business under the Pharmacy Acts, on the whole, are loyally obeying the spirit of the present Pharmacy law, often to their own financial detriment, as is evidenced by the fact that it is the common practice of the profession to refuse sales of poisonous substances unless satisfied as to the intentions of the purchaser, even when such sales may be legally made. . . .

Conditions Relating to the Sale of Poisons

7. The retail sale of substances scheduled as poisons under the Pharmacy Acts is restricted to persons, firms and bodies corporate keeping open shop in accordance with the provisions of the Pharmacy Acts. The qualification of the pharmacist is the proper basis of the protection of the public, the other conditions imposed by the Pharmacy Acts and the regulations made thereunder being intended to secure uniformity of procedure. In the light of recent developments there appears to be a tendency to minimise the protection afforded by the qualified vendor and to attach too much importance to purely mechanical safeguards.

8. The principal safeguard for the public is knowledge on the part of the vendor of the properties of the substance which he is selling and the placing upon him of the responsibility for protecting the public when selling

such substances, which he does by questions, warnings and advice.

9. The attention of the Committee is directed towards the desirability of increasing the number of scheduled substances. The existing schedules include only those drugs, etc., to which public attention has been directed. The scheduled and controlled poison of to-day is frequently the uncontrolled but potent drug of yesterday, e.g., diachylon, veronal, etc.

10. The existing Poisons Schedules are incomplete when regarded as lists of poisons the sale of which should be controlled, but when examined critically as to their completeness for the purpose of protecting the public from the unrestricted sale of dangerous substances, they are obviously inadequate. Special attention is therefore directed towards the desirability of extending the schedules to cover the following classes of drugs, chemicals, medicines, etc.:—

Class (a) The Dangerous Drugs Acts poisons.

„ (b) Drugs sufficiently dangerous to require medical control.

„ (c) The very potent poisons, such as strychnine.

„ (d) Admixtures and preparations of or containing poisons included in paragraphs (a), (b) and (c), also the less potent poisons.

„ (e) Drugs and chemicals which, whilst not poisons from a toxicological point of view, are dangerous by reason of their corrosive or other properties.

„ (f) Drugs, medicines, etc., which, whilst not poisons, are active medicinally.

11. The conditions under which the different classes of scheduled substances might be sold by retail to the public could be as follows:—

Class (a) and (b) Doctors' prescriptions.

„ (c) Purchaser to be known or introduced and seller to satisfy himself as to the legitimate nature of the purchase.

„ (d) Supplied labelled with full disclosure of poisonous ingredients.

„ (e) Supplied labelled with a suitable warning as to the nature of the substance and the antidote.

„ (f) Supplied with instructions regarding dose and method of administration.

All these would be labelled with the name and address of the seller, and in regard to Classes (a), (b) and (c), records would be required.

12. The sale of the above classes of drugs, chemicals, etc., should be restricted to persons qualified under the Pharmacy Acts, upon whom would rest the responsibility of ensuring adequate knowledge on the part of the purchaser regarding the substance supplied. In fact, it is desirable that the Committee should review the scope of the duties imposed by law upon the qualified pharmacist with a view to greater use being made of his technical knowledge and skill for the protection of the public.

13. Scheduled substances, unless intended for internal use, to be supplied in containers distinguishable by touch.

14. Preparations and substances intended for external use not to be supplied in plain white or green glass bottles, e.g., medicine bottles.

15. The attention of the Committee is drawn to the risks arising from the practice of selling under one name

substances of varying strengths, with the object, where these weaker substances are sold by unregistered persons, of avoiding the provisions of the Poisons and Pharmacy Acts, e.g., lysol and substitutes, paregoric and substitutes, and disinfectants generally.

16. The conditions under which drugs coming within the purview of the Dangerous Drugs Act are supplied could be simplified without loss of control over addiction by placing more trust in the qualified pharmacist. Practically the whole of the offences against the Dangerous Drugs Acts committed by pharmacists are of a minor character and free from any moral blame, yet pharmacists are subject to the same penalties as the proprietor of an opium den and other persons engaged in the illicit traffic in these drugs. . . .

17. The sale by wholesale of poisons and other scheduled drugs should be clearly defined and sales should be limited to:—

- (a) Registered medical practitioners, dentists and veterinary surgeons.
- (b) Persons, firms and bodies corporate entitled to keep open shop for the sale of poisons.
- (c) Persons, firms and bodies corporate licensed under the Dangerous Drugs Acts, 1920, to sell drugs by wholesale.
- (d) Persons, firms and bodies corporate not engaged in retailing drugs or medicines, but requiring the articles:
 - (1) For the purpose of the trade, or profession of such person, firm or body.
 - (2) For use in connection with a hospital, infirmary, dispensary or other similar institution under the control of such persons, firms or bodies.
- (e) A Government Department or officer or local authority requiring the article in connection with the exercise of any statutory powers.
- (f) Teaching institutions and research laboratories.

The foregoing provisions regarding wholesale sales are similar to those recently enacted in the Pharmacy and Poisons Act (Northern Ireland), 1925.

18. In the public interest emphasis is laid upon the need of confining the sale of potent drugs, whether poisonous or otherwise, to persons who, having the necessary technical knowledge and skill to appreciate the dangerous properties of those drugs, are able to a considerable extent to check their misuse.

Procedure for the Modification or Extension of the Schedule of Poisons to which the Acts Apply

19. The present system of scheduling poisons is extremely difficult to carry out in practice, and many substances cannot be referred with certainty to the appropriate part of the Schedule. The attempt to schedule by classification has failed from the point of view of clarity. The alternative is to schedule item by item each drug or preparation to which the restrictions apply. This method may seem cumbersome, but it would be simpler and more definite and would leave pharmacists in no doubt as to the proper treatment of any particular substance.

20. The preparation of such a Schedule should be entrusted to the Council of the Pharmaceutical Society, which body alone possesses the necessary technical resources and is at present responsible. The sole power to amend, add to, or modify the Schedule by making regulations for this purpose should be vested in the Council of the Pharmaceutical Society. . . .

System of Making and Enforcing Regulations in Regard to the Keeping, Selling and Dispensing of Poisons

21. The Council of the Pharmaceutical Society is at present responsible for the making and enforcing of regulations for the keeping, selling and dispensing of poisons. . . . The Union, as a representative organisation, is definitely of opinion that a body of practising pharmacists is the most suitable one for this purpose.

22. As regards the enforcement of such regulations, pharmacists would strongly resent regulations which gave a right of search and seizure on the part of the authorities in order to procure evidence of an offence, and the Union is definitely of opinion that only such regulations should be made as can be enforced without

a right of search and seizure, and that the last persons to require regulations for the supply of poisons to the public are pharmacists. . . In other words, no such regulations should be applied to pharmacists exclusively; any regulations made for the keeping of poisons should apply to the poisons in all circumstances and to all trades and professions in which they are used.

23. The attention of the Committee is drawn to the fact that the regulations made under the Pharmacy Acts regarding the storage of poisons apply only to persons specially qualified to handle them intelligently. Manufacturers, wholesalers, etc., employing labour not necessarily qualified may store and compound these same poisons (except Dangerous Drugs Act drugs) absolutely without regulation or control. This is an extraordinary state of affairs from the public point of view. Doctors are under no regulation regarding the keeping or storage of poisons, including Dangerous Drugs Act drugs, although by reason of their absorption in medical work, mechanical safeguards would seem to be particularly desirable in their case. Hospitals, dispensaries, etc., may keep their poisons (except Dangerous Drugs Act drugs) according to any system they think suitable.

24. The regulation requiring Dangerous Drugs Act drugs to be kept by pharmacists in a locked receptacle is impracticable. If it has any justification at all, it is owing to the advent of the restrictions surrounding the sale of the drugs having given them a fictitious value which encourages theft, but the cases of theft hitherto recorded (if any) do not justify the inconvenience caused in ten thousand chemists' shops. Further, the presumed object of the regulations could be secured by requiring the drugs to be stored in places inaccessible to the public. In practice, a poison cupboard cannot be kept locked and the drugs cannot be kept in the cupboard during business hours. Combined with a right of search or inspection the provision regarding the locking of the poison cupboard could be made the subject of daily summonses under the Dangerous Drugs Acts because when the cupboard is unlocked for business purposes and a bottle removed to the dispensing counter an offence is presumably committed, since the present regulations require the chemist to "keep" the drugs in a locked receptacle.

25. The selling and dispensing of poisons should be confined absolutely to pharmacists, and only in rural areas or emergencies should doctors dispense poisons. The fact that there is no legal control in a doctor's surgery in regard to:—(a) the keeping and storage of poisons; (b) the standard of drugs used; (c) the correctness of scales, weights and measures; (d) the actual dispensing of the poisons, all of which are under legal control in a pharmacy, is a sufficient reason without reference to the difficulties which arise regarding certification of the cause of death if a mistake is made in a doctor's surgery when dispensing.

Central Authority for the Purposes of the Act

26. Those engaged in retail pharmacy are decidedly of opinion that there should be one central authority responsible for all regulations governing the practice of pharmacy. The present dual control of certain drugs and the detailed regulations which have to be observed are very irksome and confusing. Under various Acts of Parliament practically every department of state is interested in one way or another in the business of the pharmacist, and any reorganisation which will simplify matters will be welcomed by pharmacists. . . . [27, see 21]

28. Given the necessary powers under suitable conditions, the Council of the Pharmaceutical Society could carry out the duties imposed upon it as a central authority without cost to the State, whereas any alternative means additional expense.

Other Matters to Which the Attention of the Committee is Respectfully Drawn

29. That it would be in the best interests of the public if the sale and dispensing of all drugs and medicines for human use, and the right to keep open shop for the purpose of selling and dispensing medicines, were

restricted to persons, firms and bodies corporate qualified to do so under the Pharmacy Acts.

30. That the careless retail sale of corrosive and other dangerous substances by persons who are ignorant of their properties, and the dangers attaching to their use, is a menace to the safety of the public, and that the sale of such substances should be restricted to persons qualified under the Pharmacy Acts. Evidence of the necessity for this control is found in the fact that spirit of salt, the sale of which is not confined to chemists, is responsible for more deaths than any other substance.

31. That the use of misleading titles such as "Pharmacy," "Drug Store," "Medical Hall," etc., by unqualified persons gives to the public a false impression of qualification and should be made illegal.

Supplementary Memorandum Regarding the Central Authority for the Purpose of Administering the Poisons and Pharmacy Acts

The Executive of the Retail Pharmacists' Union understand that the Departmental Committee are receiving supplementary evidence regarding Item 4 of the Committee's terms of reference, and that this evidence is of such a character as to make it necessary for the Executive of the Union to reiterate, emphasise and elaborate the evidence they have already given in this connection.

The original memorandum of evidence submitted by the Retail Pharmacists' Union on the Central Authority for the purposes of the Act contained the following paragraphs [26-28 inclusive]. The witnesses representing the Union, when giving oral evidence, endeavoured to make it clear that the opinions expressed in the three paragraphs . . . represented their ideal as a method of governance for a professional body.

If, however, the Committee feels that a method of government and control more directly under the supervision of the State is necessary, they submit the following modified suggestions, which, in the opinion of the Union, provide the best solution of the difficulty of reconciling the ideal with the practical and public requirements:—

(1) That owing to the impracticability of dividing the regulation of the sale of poisons from the regulation of the practice of pharmacy, it is desirable there should be only one central authority responsible for drafting all regulations governing the practice of pharmacy, including the keeping, selling and dispensing of poisons.

(2) That the composition of the Council of the Society should be amended by introducing a proportion of Pharmaceutical representatives nominated by a department of state and representatives of all the departments of state vitally interested in the administration of the Poisons and Pharmacy Acts.

(3) That the Council should then be the only body entrusted with the drafting of regulations governing the practice of pharmacy and the administration of the Poisons and Pharmacy Acts. That its revised constitution would remove any objections which might be entertained from the public point of view regarding the exercising of these functions, and that it would be a suitable body for drafting regulations under the Dangerous Drugs Act so far as the dispensing of those drugs is concerned.

(4) That the Council of the Society appointed in this way should make draft regulations for submission to a department of state, which department would be responsible for making the necessary statutory rules and orders.

(5) That the voluntary membership of the Pharmaceutical Society should be abolished if this change in the composition of the Council is adopted, and in place of voluntary membership every pharmacist on the register should be required to pay an annual registration fee giving voting rights in connection with the election of a portion of the Council.

(6) That the foregoing changes in the Council and the constitution of the Pharmaceutical Society could be carried out without any cost to the State, and that no additional financial burden need be imposed either on pharmacists or the public for this method of administering the Poisons and Pharmacy Acts. That the revenues to which the Society would be entitled would provide for any payments necessary in connection with the statutory duties of the Council, and the attendance upon it of nominated representatives for whose services it would be necessary to make some financial provision. That these changes could be effected with the minimum of legislation and trouble to everyone concerned.

The Executive of the Union is satisfied that the reconstitution of the Pharmaceutical Council in this manner would be an advantage from every point of view, and that there is nothing in the Council's present work in connection with which the assistance and advice of the nominated representatives upon the Council would not be valuable. In fact, at the present time the duties of the Pharmaceutical Council in every direction are very similar to those of a public authority entrusted with particular functions and administrative powers.

The work of the Society and its Council is carried on in regard to pharmacy as a calling. In fact, the individual interests of members are dealt with only in relation to the Society's obligations on behalf of pharmacy generally, and its duties under the Pharmacy Acts.

For these reasons the Executive of the Union, speaking on behalf of retail chemists, states emphatically that there is no need for the creation of a new body for the making of regulations in connection with the sale of poisons. They are hoping that the outcome of the present inquiry will be a simplification of the existing state of things, and they reiterate that such simplification can only be obtained by having one central authority for the purpose of drafting all regulations connected with the dispensing and sale of poisons and the practice of pharmacy.

Kratom Eaters

FROM Kratom leaves (*Mitragyne speciosa*), used for chewing in Peninsular Siam and in Bangkok, an alkaloid, mitragynine, was isolated in 1921 in Edinburgh, and, states Mr. A. Marcan, F.I.C., in the fourth report of the Government Laboratory, Siam, further supplies have been furnished of *M. speciosa*, *M. diversifolia*, var. *microphylla*, to the Department of Medical Chemistry of the University of Edinburgh for investigation.

The chewing of kratom leaves is habit-forming; the drug is a restorative and enables the addict to endure great fatigue and exposure to torrid heat. The peasants who chew kratom are those who do arduous work, as elephant drivers, collectors of jungle produce, boatmen, but the habit is stated not to be harmful since a kratom eater does not change his character. The habit is avoided by the educated. Addicts are usually thin, with distended stomachs, dark lips, dry skin, unhealthy complexions. They particularly dislike exposure to rain, and are sensitive to cold, but are noted for their ability to endure hard work under great heat. The number of leaves chewed per day is given as from ten to thirty, taken three times a day. Water is drunk after chewing, and for arduous or prolonged work the dose is frequently increased. A fresh leaf has an average weight of 1.7 gm. and 0.43 gm. when dried. The mitragynine content is 0.2 per cent., so that twenty leaves would contain about 17 mgm. of alkaloid. When an unusually large number of leaves is chewed, vomiting may be induced, vertigo and numbness of the body, and twitching of the extremities. One hundred leaves cost 5 satang (approximately one penny), but in Bangkok, where the supply is limited and the habit less common, the price is double.

Supplies are vital to addicts, but the cultivation is simple. Kratom eaters cannot remain without supplies, and if a temporary absence is enforced, dried leaves are carried, which are equally effective, in spite of the inferior flavour. Cut off from supplies of the material the addict becomes very weak. It is assumed that there is a considerable surplus supply, but it is not thought that the plant is native to Siam. Dried leaves may be kept for six months.

THE ADVENTURES OF A WORD.—"A fashionable school celebrating Empire Day with proper pomp. A small crowd watches distinguished arrivals. Three cars drive into the courtyard, filled with charming girls in fancy array. 'Mummy, what are they?' asked a small boy. 'Them?' replies mother, a pleasant working woman. 'Oh, them's going to be tabloids!'—"The Morning Post."

Insurance Act Dispensing

Record of Matters concerning Chemists' Interests in the National Health Insurance Acts

Medical Benefit Amendment Regulations

Draft Regulations, dated May 20, 1930, have been issued by the Ministry of Health (Stationery Office, 1d.) with regard to the issue of medical certificates by insurance practitioners to their patients and the question of the supply of drugs and appliances, payment for which may not be allowed. The report of the Advisory Committee appointed to consider the question of doubtful drugs and appliances was given in our issue of February 22 (p. 227). The clauses of the draft regulations of interest to chemists are as follows:—

4.—(1) Any question whether a substance or article supplied by a chemist or an insurance practitioner under the principal Regulations to an insured person was a drug or an appliance forming part of medical benefit shall, if the practitioner concerned so desires in accordance with Article 5 of these Regulations, and may in any other case in which a Committee or the Minister think fit, be referred to the Panel Committee.

(2) The Panel Committee shall furnish the practitioner concerned with a statement indicating the nature of the question referred to them under this Article, and shall afford him reasonable opportunity of appearing before and being heard by them, or, if he thinks fit, of submitting to them any statement in writing.

The Panel Committee shall further consider any representations made to them on the question by the Pharmaceutical Committee, the Committee, or the Minister, and, if the practitioner appears before and is heard by them shall afford an opportunity to a representative of the Pharmaceutical Committee, the Committee, and the Minister of appearing before and being heard by them.

(3) The Panel Committee shall inform the practitioner, the Pharmaceutical Committee, the Committee, and the Minister, of the finding at which they have arrived on the question referred to them.

(4) If the practitioner, the Pharmaceutical Committee, or the Committee are dissatisfied with the finding of the Panel Committee, and inform the Minister accordingly within one month from the date on which the notice of the Panel Committee's finding was received, the question shall be referred for decision to referees nominated by the Minister under this Article, and if the Minister is dissatisfied with the finding of the Panel Committee he may, if he thinks fit, refer the question for decision to referees so nominated.

(5) For the purpose of obtaining a decision on any question arising under paragraph (4) of this Article the Minister shall, upon any such question arising, nominate as referees a person or persons (not exceeding three in number and not being an officer or officers of the Ministry) of whom at least one shall be a medical practitioner. The referees may decide any question coming before them by a majority, but, subject as aforesaid, their procedure shall be such as they may from time to time determine.

5.—(1) If it appears to a Committee that any substance or article supplied to an insured person on a prescription issued by a practitioner on an official form or at the expense of the Practitioners' Drugs Account was not a drug or an appliance forming part of medical benefit, the Committee shall recover from the practitioner, by deduction from his remuneration or otherwise, an amount calculated in the manner provided in paragraph (2) of this Article:

Provided that before recovering any such amount the Committee shall, unless it has already been decided in accordance with Article 4 of these Regulations that the substance or article supplied in that case was not such a drug or appliance, bring the question to the practitioner's notice in writing and inquire whether he desires it to be referred for decision under that Article; and if the practitioner within one week after the receipt of such notice informs the Committee that he desires the question to be so referred, the Committee shall refer it to the Panel Committee, and the provisions of Article 4 shall apply accordingly.

(2) For the purpose of paragraph (1) of this Article the amount to be recovered in respect of the supply of any substance or article shall be a sum calculated in the manner set forth in the Drug Tariff:

Provided that if any substance which was not a drug was an ingredient in a preparation of which other ingredients were drugs, the amount to be recovered shall be the price of that substance calculated in the manner set forth in the Drug Tariff, together with half the amount of the dispensing fee payable in respect of the supply of the preparation.

(3) Any moneys recovered by a Committee under this Article shall be paid into the Chemists' Fund or the Practitioners' Drugs Account as the case may be.

In a memorandum recently submitted to the Smethwick Insurance Committee, objection was taken to the Advisory Committee's suggestions. It was urged that a practitioner would not wittingly prescribe an article or substance which has been definitely precluded; that if certain appliances, substances, and preparations are definitely precluded it is very desirable that insured persons should not in any circumstances receive them, and it must surely be regarded as a defect of administration if they are permitted to do so; that it may be as long as ten weeks after a prescription is issued before the Insurance Committee is in a position to notify the practitioner of his error, and during that period he might repeat the error many times, and that if an insured person obtains a particular article or preparation as a result of an inadvertence on the part of his doctor, and other insured persons are refused such article or preparation by other doctors, this is likely to act with detriment to the doctors who have refrained from ordering or have refused them.

Local Reports

ENGLAND AND WALES

Essex.—The quarterly meeting of the Essex Insurance Committee was held recently. The Finance Subcommittee reported that the chemists' fund for 1929, as determined by the Ministry, is sufficient to enable payment to be made in full. The Pharmaceutical Distribution Committee have recommended that during the first six months of this year payment to chemists in respect of ingredient costs should be made in full, and that advances in respect of dispensing fees should be at the rate of 95 per cent. The Minister has accepted this recommendation. The Medical Benefit Subcommittee submitted statistics, including the following, relating to prescriptions dispensed during the years 1923 to 1929:—

	Total No. of persons on panel	No. of prescriptions	Total cost
1923	228,367	785,915	£28,831
1924	232,178	893,863	£33,599
1925	243,410	979,236	£36,335
1926	256,559	1,081,619	£40,565
1927	272,183	1,270,982	£46,360
1928	286,550	1,242,572	£44,987
1929	305,776	1,386,835	£49,051

Middlesex.—At a meeting of the Pharmaceutical Committee, held recently, Mr. A. W. Hall in the chair, it was reported that a list of corrections to the National Insurance Formulary had been prepared. It was decided to confirm the action taken in connection with the adoption of the national scheme for the testing of dispensing. The supervisor's report included:—

	No. of prescriptions	Ingredient value £ s. d.	Dispensing fees £ s. d.
1930	190,421	2,966 13 1	3,473 2 8
February ...	205,145	3,123 12 0	3,750 6 2

Articles disallowed during January, February and March numbered sixty-five, including brushes, a pneumonia jacket, eye shades, trusses, nasal douches, a sputum pot, oxidised zinc felt, Plasmona, and Roboleine.

Corner for Students

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 28 Essex Street, London, W.C.2."

Report on the May Analytical Exercise

THE powder distributed to students on May 6 contained one part by weight of stannous chloride and four parts of barium carbonate. The calculated composition of such a mixture is:—

Sn	10.5
Ba	55.7
Cl	6.3
CO ₃	24.3
H ₂ O	3.2
	100.0

There was also present, as impurity, a distinct trace of the sulphuric acid radical. Samples of the powder were distributed to nineteen students, but only six reports were received for examination. Tin was missed by three students and barium by two, while the hydrochloric and the carbonic acid radicals were missed by one each. In two cases the evolution of water when the powder was heated in a dry tube was not reported.

As regards its main constituents, the analysis of this mixture was a comparatively simple matter, but the proof that the portion of the powder which did not dissolve in dilute acids consisted of barium sulphate was difficult in view of the fact that the total quantity of this available for examination was, at best, rather small. In more than one instance the powder was described as entirely soluble in hydrochloric acid, but this was not correct, since the solution remained slightly cloudy even after prolonged boiling. Those who reported the sulphuric acid radical as a trace, gave as evidence the production of a precipitate of barium sulphate on the addition of barium chloride to a portion of the sodium carbonate extract which had been acidified with hydrochloric acid, but this was not altogether convincing in absence of proof that the sodium carbonate employed was free from the traces of sulphate which accompany it in most commercial samples.

The most important matter connected with the reports submitted was the failure by one half of the writers to detect the tin. These failures resulted from the non-appearance of any sulphide precipitate when hydrogen sulphide was passed into the original solutions in hydrochloric acid. This was doubtless due to the solutions having contained too much free hydrochloric acid, with possibly the added condition of having been still hot. Students who are learning the solubility relations of the copper and arsenic group sulphides must note carefully that the sulphides of lead, bismuth and cadmium dissolve with comparative readiness in moderately concentrated hydrochloric acid, especially at an elevated temperature, and that both sulphides of tin (stannous and stannic), as well as antimonious sulphide, share this character to a certain extent, so that the presence of too concentrated acid must be avoided either by dilution or by evaporation and subsequent dilution, with water while the solution should be cold at the time of the final passing of the hydrogen sulphide.

The failure of some students to obtain any precipitate on adding ammonium carbonate, thereby missing the barium, presents a problem for which we are not able to supply the explanation.

PRIZES

The First Prize for the best analysis has been awarded to:—

R. W. FAIRBROTHER, 1 South Parade, Melton Mowbray.

The Second Prize has been awarded to:—

E. H. TUTTY, c/o Kemp & Elmitt, Lincoln.

First Prize.—Any scientific book that is published at a price not greatly exceeding fifteen shillings may be taken as a first prize.

Second Prize.—Any scientific book which is sold for about seven shillings and sixpence may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the publisher, naming the book or books they select.

MARKS AWARDED FOR ANALYSES

R. W. Fairbrother (1st Prize)	96	Norvic	92
E. H. Tutty (2nd Prize)	95	Engineer	47
		Live and Learn	38
		W. P. Hutchinson	22

TO CORRESPONDENTS

NORVIC.—It was not sufficient to prove the presence of tin in the solution of the hydrogen sulphide precipitate in sodium hydroxide and ammonium sulphide. The absence of arsenic and antimony should also have been proved. Do not overlook the fact that the dark colour of stannous sulphide might obscure the yellow or orange of arsenious or antimony sulphide if the latter were present in small proportion only.

ENGINEER.—The reactions which led you to report the presence of aluminium and of zinc were due to the tin which had escaped precipitation by hydrogen sulphide. It is remarkable that you did not observe any precipitate on adding ammonium carbonate as group reagent for the barium group.

LIVE AND LEARN.—The green flame coloration you observed was due to barium and not to a borate. Ordinarily it would be difficult, and sometimes it might be impossible, to distinguish between boric acid and a borate in a general mixture, while usually there would be little point in the endeavour to do so. Potassium chromate is only used as a reagent to test for barium after the latter has been precipitated as carbonate by ammonium carbonate as group reagent and the precipitate has been dissolved in acetic acid. Since barium chromate is dissolved by hydrochloric acid, no precipitate will be produced on adding potassium chromate to a solution containing that acid; but when ammonia is added the acid is neutralised and a precipitate is formed.

W. P. HUTCHINSON.—The formation of a precipitate on the addition of calcium chloride to a portion of the sodium carbonate extract for acidic radicals must have been due to the solution having been incompletely neutralised, and so yielding a precipitate of calcium carbonate. Since the mixture was to contain only inorganic acidic radicals, oxalate, tartrate and citrate were not to be tested for. Read also the reply to "Engineer."

* * * The competitions in this Corner are now discontinued until October.

CO-OPERATIVE SOCIETIES' DRUG DEPARTMENTS.—Coven-try Co-operative Society reports an increase in turnover in the drug department during the past half-year of 68.95 per cent. compared with the corresponding period of last year. Coalville Co-operative Society, however, reports a decrease during the past three months of about 12 per cent.

INCREASING SPECIALISATION IN MEDICINE.—"The brass plates have decreased in size, but greatly increased in number; a census shows that the 120 of 1880 have been replaced by 954 in 1930. While the medical population of London (and the same is true of the provinces) has only a little more than doubled its numbers in the last fifty years, the army of specialists, in the three streets already specified, has undergone an almost eightfold increase. . . . How specialisation has sped may also be seen from the fact that the Royal Society of Medicine finds it necessary to divide its proceedings into twenty-four sections. In our three streets we should certainly have to carry the subdivision farther and recognise about thirty-five branches of special practice in place of a bare ten of fifty years ago."—From the Annual Oration of the Medical Society of London, delivered on May 12 by Sir Arthur Keith.

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

28 Essex Street, W.C.2, June 5

THERE has been no increase in trading in Mining Lano produce this week; business in sugar was rather more animated, due to signs of stocks in distributors' hands requiring replenishing. There has been a headlong decline in the price of bar silver to new low records down to 15½d. per oz. on Wednesday, which is adding to the difficulties in certain markets for Eastern produce, while China's export trade has become the more handicapped. In spices, business has been quieter, but pepper was fairly well sustained. Rubber collapsed to as low as 6½d. on the spot, rallying only slightly. Among pharmaceutical chemicals, business is without improvement, and the quoted rates of a number of items continue to be discounted, where a fair-sized quantity is involved. Citric acid, tartaric acid and cream of tartar continue weak. Hydroquinone has been in good demand. Quiet markets continue to be reported among industrial chemicals in most instances; quoted prices are being maintained, but these are by no means firm. In the fixed oils group, business has remained quiet throughout, with a number of reductions in values, including a sharp decline in palm oils, which have reached a very low level. Castor and soya oils are slightly easier; Hankow wood is lower. Lubricating oils are easy. Among the metal group, Chinese regulus antimony is lower, having been affected by the sharp slump in silver. Bismuth has been in more demand at last week's reduction; cadmium is easier under excessive supplies and restricted demand. Mercury in outside hands has stiffened somewhat, and a fairly considerable spot business has been done. In crude drugs there is little to report. Menthol and Japanese peppermint oil are easier. Higher forward prices have been quoted for Kordofan acacia, but there has been no response here; spot prices are rather easier. Norwegian cod-liver oil is quiet. The Finmarken fishing has now closed. Belgian chamomiles and ergot are easier.

Firmer	Easier	Lower
Agar agar (c.f.)	Cadmium	Antimony (Ch. reg.)
Mercury (sec. hands)	Castor oil (English)	Chamomiles (Belg.)
Pepper (white Muntok)	Farina	Ergot
Pimento	Formaldehyde	Palm oils
	Gum acacia (spot)	Rubber
	Lemon oil	Shellac
	Menthol	Wood oil
	Naphthas (solvent)	
	Peppermint oil (Jp.)	
	Soya oil	
	Turpentine	

Cablegram

BERGEN, June 4.—The catch of cod since the opening of the season now amounts to 60,734,000, against 76,962,000 at the same date last year. The yield of steam-refined cod-liver oil is 77,703 hectol., against 89,533 hectol., at the same date last year. The market is quiet and the fishing at Finmarken is considered finished.

Crude Drugs, etc.

ACONITE ROOT on the spot is quoted at 75s., and to come forward at 70s. c.i.f.

AGAR-AGAR is unchanged on the spot, but forward shipment is a little higher. Kobe No. 1 is 3s. 9½d. c.i.f.; Kobe No. 2, 3s. 7d.; and Yokohama, 3s. 8½d. c.i.f.

ALKANET.—Prime Hungarian is quoted at 44s. c.i.f.

ALOES.—Curaçao on the spot varies from 115s. to 135s. according to quality; t.q. for shipment is quoted at 110s. c.i.f. Cape is unchanged at 41s. 6d. per cwt. for good No. 1, and 39s. 6d. for No. 2.

ANTIMONY.—The market for Chinese regulus has been rather badly upset by the sharp slump in silver to the astonishingly low record of 16½d. per oz. on Tuesday. The forward market for antimony for shipment has been very erratic and quotations are now at around £23 15s., which shows a considerable drop, while spot parcels are quoted £27 10s. to £27. There has been, however, no change in English regulus, which ranged from £46 10s. down to £40 per ton according to brand. Chinese crude is quite nominal at about £22 10s. Chinese white oxide may be called £30 10s. to £31.

BELLADONNA.—Root, testing 0.69 per cent., is offered to come forward at 57s. 6d. c.i.f., and on the spot 0.5 is quoted at 54s. Leaves are 60s. c.i.f.

BISMUTH.—It was reported that considerably more buying had been attracted at the recent reduction in price to 4s. per lb. as quoted by the Syndicate for at least five-cwt. lots.

CADMIUM.—Under the continuation of somewhat excessive supplies and a rather restricted demand the undertone of the market has been somewhat easier again, while American parcels have been offering at somewhat below the terms quoted for Canadian and Australian metal, which range from 3s. 8d. to 3s. 9d.

CARDAMOMS.—At auction on May 29 143 packages offered, of which about 40 sold at barely steady rates, comprising Ceylon-Mysore, medium to bold palish, at 5s.; medium dullish, 3s. 9d.; bold brown and splits, 4s. 9d. to 5s. 1d.; medium ditto, 3s. 10d. to 4s. 1d.; small, 2s. 9d. to 3s. 6d.; bold specky Indian, 3s. 6d. per lb.

CHAMOMILES.—Belgian white flowers have declined by 5s. per cwt. on the spot, and offers now range from 215s. to 220s. according to colour.

CLOVES.—Zanzibar are quiet on the spot at 11½d. Sales for shipment comprise May-July at 11d. per lb. c.i.f., with sellers of August-October at 11½d. per lb. c.i.f.

The landings in London of Zanzibar during the week ended May 31 were 500, and the deliveries 121, leaving a stock of 1,638, against 1,863 in 1929, and 11,393 bales in 1928. The landings in London from January 1 to May 31 have been 5,845, against 4,070 in 1929, and the deliveries 4,204, against 4,594 in 1929.

COD-LIVER OIL remains quiet. The Finmarken fishing is now practically closed and has proved very disappointing. The deficiency to date compared with that of last year is 10,650 barrels. The production of oil this season has been 77,073 hectol., against 90,056 hectol., last year.

CROTON OIL on the spot is quoted at 15s. per lb. There has been some inquiry for seed, but this is very scarce with none offering.

DIGITALIS.—Leaves of *D. purpurea* are offered at from 45s. to 55s. c.i.f. according to quality. *D. lanata* leaves, good green, are offered at 1s. 6d. per lb. c.i.f.

ERGOT.—For forward delivery, June shipment of good sound Russian is offered at 10½d., with spot holders quoting good sound at 11d. to 11½d. Spanish is a shade cheaper at 1s. 4d. spot and at 1s. 6d. c.i.f., and Portuguese at 1s. 4d. c.i.f., the Continent offering at easier rates.

GINGER.—West African is quiet, with spot sellers at 41s. per cwt., and to arrive 38s. per cwt. c.i.f. is quoted. Washed rough Cochín is 67s. 6d.; Calicut, 70s.; Cochín "B" cut, 130s.; "C," 87s. 6d.; small Jamaica, 58s. to 60s.; and bold, 80s. to 90s. per cwt.

GUM ACACIA.—During the past few days some shippers have raised their prices for forward shipment, but the market has in no way responded. Spot is, if anything, on the weaker side, and cleaned Kordofan is freely offered at from 70s. to 72s. 6d. per cwt., and natural at 67s. 6d. Demand, however, is quite hard to mouth, and forward business is impossible at the higher prices asked. Talha is 40s. spot and 28s. to 30s. c.i.f. Good No. 1 bleached Kordofan is scarce at from 155s. to 160s. on the spot.

HONEY is quiet, but there has been fair business done since the sales around the public auction prices. There have been one or two fresh arrivals of Jamaica, but holders are inclined to keep values around present quotations.

IPECACUANHA.—Spot prices for Matto Grosso are easy at from 11s. to 11s. 3d. per lb.

KOLA.—Market for West Indian is inclined to be firm: good bright Jamaica are at from 3½d. to 4d., and St. Lucia 3½d. West African are quiet, and good stocks are held both in London and Liverpool; 2½d. to 3½d. is quoted as to colour.

MAGNESIUM.—There is a fairly active demand going on for British and quotations for ingots, sticks and bars vary from about 2s. 10d. up to 3s. 3d. per lb. according to specification. Quotations for ribbon are at 13s. to 15s., for wire at 10s. 6d. to 12s. 6d., and powder 5s. 6d. to 7s. 6d. according to quantity.

MENTHOL is the turn weaker, offering at from 15s. to 15s. 3d. per lb. on the spot, as to brand, and for forward shipment 15s. c.i.f. is quoted.

MERCURY.—There has been quite a fair improvement in the demand within the past week or so and it is understood that a considerable business has been put through on the spot in lots varying from ten to 20 and even 50 bottles. Official quotations remain as before at £22 5s. to £22 2s. 6d. net per bottle according to quantity. Inquiries for shipment, however, are very few, while consumers seem content to cover their needs from hand to mouth. In the outside market merchant interests have stiffened their terms, which range from about £22 to £22 5s. per bottle net, which is fairly well in line with the set of official quotations given. There seems to be a fair amount of stock available on the spot and additional parcels are expected from Spain shortly.

PEPPER has been easier but steady. Singapore is 10½d. per lb. on the spot, with June-July shipment at 9½d. c.i.f. Lampong is 10½d. spot. Sales for shipment include April-June at 10½d., May-July at 10d., and August-October at 9½d. to 9½d. to 9½d. to 9½d. Tellicherry is 11½d. spot, and Alleppy 11d. per lb. spot. White Muntok is firmer at 1s. 2d., afloat is 1s. 1½d., and to arrive April-June shipment is quoted at 1s. 0½d. Sales for shipment include May-July at 1s. 0½d. to 1s. 0½d. to 1s. 0½d., and August-October at 1s. 0½d. to 1s. 0½d. to 1s. to 1s. 0½d. c.i.f.

PIMENTO is dearer at 8½d. per lb. spot. For July-August shipment 75s. c.i.f. is quoted, with sellers of August-October at 70s. c.i.f.

RUBBER is again fractionally easier on the week, spot closing with buyers at 6½d. per lb. The market remains very dull, and it is worthy of note that at one time spot fell to 6¼d. per lb. This, in fact, is the lowest price on record for plantation spot rubber, and was predicted by us a few weeks previously. The only salvation to this market appears to be a wholesale reduction in the cost of production, as even at the present time far too many companies show too high a cost in comparison to the low level of prices at present being secured. Last week arrivals totalled 1,893 tons, whilst deliveries were 1,648 tons, showing a further increase of 245 tons in the stocks. The London stock now stands at 77,193 tons, against 31,539 tons at the corresponding period last year. The Liverpool stock now stands at 25,526 tons. Quotations (Wednesday, 5 p.m.): No. 1 standard ribbed smoked sheet, spot and June, 6½d.; July-September, 6½d.; October-December, 7d. per lb.

SARSAPARILLA.—Native Jamaica has been selling fairly well of late, and nothing much seems available at under 1s. 7d. per lb. for any quality of native.

SEEDS.—ANISE.—Spanish is 57s. 6d. and Russian 31s. per cwt. on the spot. CANARY is very quiet. Mazagan on spot is unchanged at 27s. 6d.; Tangier is 26s. 6d., and Morocco (f.a.q. 4 per cent.) is 25s. 6d. spot. CUMIN.—Market dull. Malta is 70s. for sifted and f.a.q. 65s. spot. Morocco remains at 57s. 6d. spot. New crop is now quoted at 50s. c.i.f. FENUGREEK.—Business in new crop for July-August shipment has been done at 14s. 6d. c.i.f. for a large quantity. The spot price is 18s. 6d. CORIANDER.—No business is passing. Spot is 7s. 6d. to 8s., and for shipment 9s. 6d. c.i.f. is quoted. CARAWAY.—Dutch is offered at 37s. 6d. on the spot, and f.o.b. Rotterdam is 34s. 9d. DILL.—Indian (11 per cent. is 21s. 6d. on the spot. MUSTARD.—English is 26s. to 31s. per cwt. according to quality.

SENEGA is quiet: on the spot, 3s. is quoted, and c.i.f. values are at from 2s. 9d. to 2s. 10d., but buyers are holding off in the hope of lower values.

SHELLAC is quiet and lower at 125s. per cwt. spot for usual standard orange TN; fine orange is 140s. to 225s., pure button 150s. to 155s., and AC cakey at 132s. 6d. To arrive sellers of June-July quote 110s. c.i.f. Sales for delivery include August at 114s. to 114s. 6d. to 113s. c.i.f.; and October at 121s. to 117s. 6d.

TURNERIC.—Madras finger for July-August shipment is offered at 25s. c.i.f.

WAX (BEES') is depressed. Genuine Russian is easy at £6 5s. to £6 7s. 6d. on the spot. Benguela is £6 10s., and Abyssinian at from £6 10s. to £6 12s. 6d. spot as to size of order.

Essential Oils

THE market is still lifeless. Star anise has had some inquiry, however, but little business has been done, and spot stocks are still low. There are some offers of Tonkin oil. Geranium Bourbon is weak. Lemon is easier. American peppermint is dull, and Japanese dementholised is easier on the spot.

ANISE (STAR) has met with a good inquiry but few orders. Chinese star ("Red Ship") is 5s. 3d. per lb. for leads, and 5s. for tins, on the spot, with an isolated offer for shipment of 3s. 10½d. per lb. c.i.f. in leads. Tonkin oil is offered to arrive in drums (about 420 lb. each) at 3s. 3d. c.i.f. for forward shipment, and at from 3s. 7d. to 3s. 9d. per lb. c.i.f. in cases of two tins. On the spot in tins 4s. 3d. to 4s. per lb. is quoted according to quantity.

BAY is unchanged at about 7s. per lb. spot.

BERGAMOT is quoted at 10s. 3d. per lb. spot and 3s. 9d. per lb. c.i.f.

BOIS DE ROSE.—On the spot Cayenne is quoted at from 5s. 3d. to 5s. 6d. per lb., and Brazil at about 3s. 6d. per lb. spot.

CAMPHOR OIL is unchanged at 160s for Japanese white in drums, and 175s. for Chinese.

CANANGA.—On the spot Java is quoted at about 9s. per lb., and to come forward at 8s. 3d. per lb. c.i.f.

CASSIA is dull at 3s. 10d. per lb. spot and 3s. 4d. c.i.f.

CEDARWOOD on the spot in drums is quoted at from 1s. 3d. to 1s. 9d. per lb. as to seller and quantity; tins are quoted at 1s. 10d. per lb. Prices would be shaded for quantity.

CITRONELLA.—Java for forward shipment is offered at 2s. 5½d. per lb. c.i.f. Sellers on spot quote 2s. 5d. per lb., which would probably be shaded. Ceylon on the spot is 2s. 3½d., and to come forward 2s. 1½d. c.i.f.

EUCALYPTUS.—On the spot 70-75 per cent. is quoted at 1s. 6d. per lb.; 75-80 per cent., 1s. 7d. to 1s. 3d.; and 85-90 per cent., 1s. 9d.

GERANIUM.—Bourbon is easier on the spot at 17s. 6d. per lb. and 16s. 9d. c.i.f., with an isolated c.i.f. offer of 15s. 9d. per lb. Some business has been passing on the spot, and stocks are not too plentiful. Algerian is weak on spot at 16s. 3d. per lb.

GINGERGRASS is offered at 7s. 6d. per lb. spot for quantity.

LAVENDER.—French 38-40 per cent. is quoted at 10s. 6d. per lb. spot, with lower ester content at from 10s. downwards.

LEMON is easier at from 3s. 11d. to 4s. 10½d. per lb. spot for hand-pressed, and at from 3s. 6d. to 4s. 9d. per lb. c.i.f. Machine-made is 3s. 5d. to 4s. 6d. per lb. spot and at 3s. to 4s. 5d. per lb. c.i.f.

MANDARIN is quoted at 14s. 9d. per lb. spot.

ORANGE.—Sicilian sweet can be bought at 10s. c.i.f., and at from 9s. 3d. to 9s. 6d., and upwards on the spot, according to seller. West Indian is at from 8s. 6d. to 9s. spot, and 8s. c.i.f.

PALMAROSA is without interest at 9s. per lb. spot in quantity.

PATCHOULI.—Singapore on the spot is 18s. per lb., and to arrive 17s. 6d. per lb. c.i.f. Seychelles is quoted at 15s. 3d. per lb. spot.

PEPPERMINT.—Japanese dementholised is easier on the spot at 5s. per lb. for Kobayashi-Suzuki, and forward prices are quite nominal at 5s. 3d. per lb. c.i.f. American natural tin oil on the spot is quoted at from 12s. 6d. to 13s. 3d. per lb. according to brand and seller; drums are about 3d. per lb. less.

PETITGRAIN.—Paraguay on the spot is quoted at from 5s. 7½d. to 6s. per lb. according to quantity and seller.

ROSEMARY.—Spanish on the spot is quoted at from 1s. 10d. to 2s. per lb. according to seller.

SASSAFRAS.—Genuine natural oil is quoted at from 4s. 9d. to 5s. 3d. per lb. spot for tins in cases.

SPEARMINT on the spot is quoted at from 19s. to 20s. per lb. according to seller.

SPIKE.—Dealers quote French spike at 4s. to 4s. 3d. per lb. spot. Spanish is about 2s. 2d. spot.

WORMSEED (CHENOPODIUM).—To come forward 11s. 3d. to 12s. 6d. per lb. c.i.f. is quoted, but there are spot sellers at 11s. 6d. per lb.

The following arrivals have taken place from the countries indicated during the period May 28 to June 3 (inclusive):—Anise (Fr.) 1 dm. 9 cs., (Ger.) 3 dm.; bergamot (It.), 56 cs.; citronella (Java), 3 dm.; lavender (Fr.), 4 dm.; lemon (It.), 62 cs.; orange (It.) 4 cs., (U.S.) 2 cs.; patchouli (Sey.), 1 dm.; peppermint (Jap.) 25 cs., (Ger.) 1 cs.; sassafras (U.S.), 2 cs.; spike (Sp.), 2 dm.; undescribed (Sey.) 3 dm., (U.S.) 6 dm., 2 cs.; (It.), 191 cs.

Pharmaceutical Chemicals, etc.

A CONTINUANCE of quiet markets is reported, with conditions generally unchanged. Weak markets continue to be recorded for citric and tartaric acids and cream of tartar. Quoted rates are being discounted for sales of any size.

ACETANILIDE is unchanged on a slow market: B.P. crystals and powder, 1s. 4½d. to 1s. 6d. per lb. as to quantity.

ADIPIC ACID is offering for forward delivery: ton lots, 1s. 3d.; 5-10 cwt., 1s. 4d.; two-cwt. casks, 1s. 5d.; one-cwt. kgs, 1s. 6d. per lb., carriage paid, for edible quality. Stocks are held in London and provincial centres.

AMIDOPYRIN continues in slow demand, with the market easy as quoted: crystals, five cwt., 12s. 9½d. up to 13s. 3½d. per lb. for small parcels; powder, 1½d. per lb. more.

ASPIRIN is unchanged and business has been unimportant: home trade, 2s. 9d. to 2s. 11d. per lb. as to quantity; export to Colonies and British Possessions, ten cwt., 2s. 8d. up to 2s. 9½d. per lb. for small parcels; export to other destinations, about ¾d. per lb. more. Home and Continental makers quoting level throughout.

BARBITONE continues very quiet with the market easy: spot, 7s. to 7s. 6d. per lb. as to quantity.

BENZALDEHYDE is about steady on a quiet market at 2s. per lb. for quantities of f.f.c. in carboys.

BENZOIC ACID (B.P.) is steady and business is fair: quantities, ex works, about 2s.: spot parcels, about 2s. 1d. per lb.

BENZONAPHTHOL remains quiet, with dealers' prices at about 2s. 10d. to 3s. per lb. as to quantity.

BISMUTH SALTS.—The reduced prices recorded last week continue to operate: carbonate, 6s. 6d. to 7s. 3d.; sub-nitrate, 5s. 6d. to 6s. 3d. per lb. as to quantity.

BROMIDES.—There is nothing of interest to report; prices quoted are about the same, while competition for the limited business moving is noticeable: dealers quote ammonium, 1s. 9d.; potassium, B.P. crystals, 1s. 5d. to 1s. 5½d.; granular, about 1s. 5d.; sodium, B.P., 1s. 8d. per lb. for fair quantities. Home makers' sales prices are at about the same figures.

CALCIUM LACTATE is about unchanged on a slow market at 1s. 1½d. to 1s. 3d. per lb. as to quantity.

CHLORAL HYDRATE continues steady, with home makers' prices leading the market at 3s. 1d. to 3s. 3d. per lb. for duty-paid crystals; foreign on spot, 3s. 6d. per lb.

CITRIC ACID (B.P. crystals).—This market is still disappointing to sellers. Business is limited for the time of year and is secured only against keen competition. The market is now at about 1s. 6½d. to 1s. 6½d. per lb., less 5 per cent. as to quantity, for foreign on spot.

CREAM OF TARTAR is about unchanged on quotation, while the market has remained quiet. Foreign on spot is mentioned in the region of 9½s. to 9½s. per cwt., less 2½ per cent., and possibly a shade less for large quantities. English makers quote 9½s., less 2½ per cent.

CREOSOTE (B.P.) is steady but quiet: dealers quote from 1s. 8d. to 1s. 9d. per lb. as to quantity.

CREOSOTE CARBONATE is of little interest as quoted on spot at 1s. 9d. to 6s. per lb. as to quantity.

GUAIACOL CARBONATE is slow of sale at 4s. 6d. to 4s. 8d. per lb. on the spot.

HEXAMINE continues irregular, with outside offers well under the quoted Convention figures; business is limited: Convention rates, 2s. 2½d. to 2s. 4d.; outside stuff, 1s. 10½d. to 2s. per lb. as to quantity.

HYDROQUINONE is one of the very few bright spots in the market: business has been on a good scale and prices are steady at 3s. 7½d. to 4s. 5d. per lb. as to quantity.

LACTIC ACID (B.P.).—The recently advanced rates are being cut by second-hand holders: quoted at 1s. 11d. for ton lots up to 2s. per lb. for two-cwt. lots in carboys; in jars, one penny more.

METHYL SALICYLATE (B.P.) continues unchanged at 1s. 3d. to 1s. 5d. per lb. as to quantity; market is quiet.

METHYL SULPHONAL is offering, with little interest shown, at about 12s. 7d. to 13s. 10d. per lb. on spot as to quantity.

PARAFORMALDEHYDE is easy as quoted: business has been moderate: 100 per cent. powder, 1s. 7d. for quantities; small parcels, 1s. 8d. per lb.

PARALDEHYDE is steady at from 1s. 1d. to 1s. 3d. per lb. as to quantity and packing.

PHENACETIN is dull and easy at the controlled rates of 3s. 8d. to 3s. 11d. per lb. as to quantity, with powder 1½d. per lb. more.

PHENAZONE remains dull and prices are easy: Convention rates are 6s. 11d. to 7s. 3½d. per lb. as to quantity.

PHENOLPHTHALEIN continues unchanged, with occasional business passing: quoted at 5s. 11d. to 6s. 1½d. per lb. as to quantity.

POTASSIUM PERMANGANATE (B.P.) is steady, with but small business moving: quantities in drums, 5½d.; druggists' parcels, 6d. per lb.

RESORCIN is steady on spot at 2s. 11d. to 3s. 2d. per lb. as to quantity; business is limited.

SALICYLIC ACID (B.P.) is steady at home makers' prices of 1s. 5d. to 1s. 8d. per lb. as to quantity.

SALOL remains quiet, with spot prices unchanged on quotation: 3s. 7½d. to 3s. 10½d. per lb. as to quantity.

SODIUM SALICYLATE (B.P.) shows no change on the week: home trade, powder, two tons, 1s. 10d.; one ton, 1s. 10½d.; ten cwt., 1s. 11d.; five cwt., 1s. 11½d.; one cwt., 2s.; 28 lb., 2s. 1d.; and less, 2s. 2d. per lb.; crystals, one penny per lb. more. Export prices f.o.b. London or Continent, powder, two tons, 1s. 10½d. up to 2s. 0½d. per lb. for small parcels, with crystals one penny per lb. more.

SULPHONAL remains slow of sale, with spot offers easy as quoted at about 10s. 1d. to 11s. 2d. per lb. as to quantity.

TANNIC ACID (B.P. *leviss*) remains dull, with offers in the region of 2s. 9d. to 2s. 11d. per lb. as to quantity.

TARTARIC ACID (B.P. crystals).—Quotations are now down to about 1s. 4½d. to 1s. 4½d. per lb., less 5 per cent., for foreign on spot; the market continues quiet and unsteady, tending easier.

THYMOL is unchanged on a slow market: synthetic fine white, five cwt., 8s. 9d. up to 9s. 8d. per lb. for small parcels.

VANILLIN continues quiet, with competition keen: ex clove oil, 14s. per lb. in cwt. lots; ex guaiacol, 13s. 6d. per lb. in cwt. lots; lower prices for large quantities.

Industrial Chemicals, etc.

London, June 4.

THE position in this market shows little change, the demand being generally slow and limited in volume. Prices, as quoted, are maintained but, at these values, the market is easy.

ACETIC ACID is meeting with but poor business: 80 per cent. technical, £36 15s.; 80 per cent. pure, £37 per ton in barrels; glacial, pharmaceutical, 99 to 100 per cent., £66 in glass demijohns; glacial in barrels, £56 per ton ex store.

ACETONE prices continue stabilised; the demand is not so good: B.G.S. in drums, ten tons, £71 10s.; five tons, £73 10s.; one ton, £76 10s.; drum lots, £80 per ton in free drums, ex store or wharf.

ARSENIC.—The demand is restricted, but prices are maintained at about £15 15s. to £15 17s. 6d. as quoted by Cornish agents, delivered free on rails f.o.r. for 99 per cent. white powder.

COBALT.—The official price for the metal is still 10s. per ton, but contracts for good quantities are said to be arranged at somewhat under that figure. There is a fair demand for oxides, with black held for 8s. and grey 8s. 10d. per lb.

COPPER SULPHATE is unchanged. The export demand is slow and orders with British makers might possibly be arranged at £24, although £24 10s. is being asked for casks, less 5 per cent. This is not the time of year when a revival can be expected, in spite of the lower price ruling compared with a month or two ago. Cheap offers continue to be made from the Continent at about £22 f.o.b.

FORMALDEHYDE is again a trifle easier on a keen market, with prices for fair quantities round about £33 per ton, in casks, ex store.

ISOPROPYL ALCOHOL is steady, with a fair business moving: reliable make, 11s. to 12s. per gallon in drums, carriage paid; slightly less for lower grades.

LEAD ACETATE is steadier, but the demand is poor: spot, brown, £37 2s. 6d.; white, £38 2s. 6d. per ton in casks ex store.

OXALIC ACID is very steady and business is sustained on a moderate scale: quantities, £32 per ton ex wharf; spot parcels, 33s. per cwt. ex store.

POTASSIUM CARBONATE is rather easy on a dull market as quoted: 90 to 92 per cent., £23 10s. to £24; 96 to 98 per cent., £25 10s. per ton, in casks, ex store; less for contracts.

POTASSIUM CHLORATE is now quoted for large quantities at £26 5s. per ton ex wharf; spot parcels, about 3½d. per lb. ex store.

POTASSIUM PERMANGANATE is steady, but business is lacking in good volume: commercial quality, in two-cwt. drums, 5d.; smaller parcels, 5½d. per lb.

SAL AMMONIAC is steady and some business is recorded: dog-tooth crystals, £32; medium, £28; fine white crystals, £17 12s. 6d. per ton in casks, ex store; slightly less for contracts.

SODIUM ACETATE is unsteady on a very poor market as quoted round about £20 7s. 6d. per ton, in casks, ex store.

SODIUM CHLORATE is steady at £24 10s. per ton for quantities and spot parcels from 3d. per lb., but there is very little business of importance moving.

SODIUM HYPOSULPHITE continues in fair demand, with prices unchanged: dealers quote pea crystals in one-cwt. kegs, £15; commercial quality, £9 7s. 6d. per ton in casks, ex store; makers' price for pure crystals to home consumers on contract, £15 per ton, carriage paid to buyer's station.

SODIUM SULPHIDE is steady on quotation, with the market quiet: 60 to 62 per cent. solid, £9 5s.; broken, £10 5s. per ton in drums, ex wharf.

COAL-TAR PRODUCTS, ETC.—Carbolic acid crystals and cresylic acid continue in poor demand, with the markets easy as quoted. Quotations for other products are generally unchanged, while business is still on a limited scale. Pyridine (90 to 160) is quoted at from 3s. 9d. to 4s. per gallon.

Fixed Oils, etc.

REDUCTIONS in quoted values of a number of products are recorded this week, the most important being palm oils, where prices have reached a very low level. American turpentine is also easier. Business has remained quiet throughout. ACID OILS are quiet and unchanged: coconut and/or palm kernel, 31s.; groundnut, 27s. 9d.; soya, 25s. 9d. spot. CASTOR is slightly easier and still dull: pharmaceutical, 45s. 6d.; first pressings, 40s. 6d.; second pressings, 38s. per cwt., in barrels on the spot, in not less than one-ton lots. COCONUT remains very dull: deodorised, spot, 41s.; Ceylon, 31s. 6d. c.i.f. spot. COTTON is quiet with values unchanged: deodorised, 38s. 6d.; common edible, 36s. 6d.; soapmaking, 34s. 3d.; crude, 31s. 6d. spot. GROUNDNUT is firm as quoted: deodorised, spot, 40s.; crude Oriental, 35s. c.i.f. PALM KERNEL is steady but quiet: deodorised, 41s.; crude, 34s. 3d. spot. PALM.—A further considerable reduction in values is recorded, with the market still dull and irregular: Largos, 23s. 6d.; softs, 22s. 6d.; mediums, 24s. 6d.; hards, 25s.; bleached, 25s. 6d. spot. RAPE is dull but fairly steady: refined, 41s.; crude, 38s. 6d. spot. SOYA is easier on a dull market: deodorised, 36s. 3d.; crude, 33s. spot. LINSEED (raw, naked).—Values are maintained on the week, but the market is inclined to become unsteady: on spot, 43s. 6d.; June, 40s. 7½d.; July-August, 39s. 1½d.; September-December, 37s. 4½d. Boiled oil on spot, 46s. TURPENTINE.—There has been but little alteration on the week and the market, after being rather depressed, with spot delivery offering more freely at 38s. 9d., closed at this price. The latest quotation stands at 39s. for July and 39s. 9d. for July-December. London deliveries for last week were 1,893 barrels, which makes the total since the beginning of the year 42,461 barrels, which compared with the same period last year shows an increase of fully 2,000 barrels. Stocks were returned at 9,262 barrels, comparing with 6,062 barrels a year previous. Including the afloats, amounting to 7,175 barrels, the London visible supply makes up at 16,437 barrels, as against 15,222 barrels a year ago, and 27,898 barrels two years ago. RESIN.—The trade demand has been rather quieter after the recent buying, but the tone is fairly steady, with c.i.f. terms for prompt shipment from America as follows: B/D 14s. to 14s. 4½d., E 14s. 10½d., F/G/H 15s., I/K 15s. 1½d., M 15s. 4½d., N 15s. 9d., and W/G 16s. 3d. WOOD.—Hankow in barrels on spot is lower at 50s. per cwt.; market is dull.

LUBRICATING, MINERAL, BURNING OILS, ETC.—The one bright feature of this market has been a good demand for motor benzol. Lubricating oils and other products have remained sluggish and quoted prices are on the easy side. BENZOL has been in good demand, with prices steady: standard motor 90's, country, 1s. 5d. to 1s. 5½d.; London, 1s. 7d. per gallon, ex works, in tank wagons. PARAFFIN OILS are firm and unchanged: American standard white, 1s.; water-white, 1s. 1d. per gallon, barrels free, ex wharf. PARAFFIN WAX and SCALE.—Wax continues quiet, from 1½d. to 5d. per

lb. according to melting point, in bags; scale is offered for shipment at about £13 10s. per ton c.i.f. U.K. port. WHITE OILS are unchanged, with the market continuing quiet: special No. 1, £24 10s.; No. 1, £23 10s.; No. 3 half-white, £20 10s.; No. 4 half-white, £18 10s. per ton, drums and barrels free, ex wharf. SOLVENT NAPHTHAS are quiet and slightly easier: 90 to 160, 1s. 1d. to 1s. 1½d.; heavy 90 to 190, about 1s. per gallon, naked at works.

Protecting Olive Oil

A NEW law in Italy aims to protect olive oil more completely against adulteration, especially with cottonseed oil. While the agents looking after prevention of frauds increase their vigilance, it becomes necessary to modify existing laws so as to encourage handling genuine olive oils. As it is difficult to detect small quantities of cottonseed oil in olive oil, it has been made mandatory to add to the seed oil a proportion of an easily detected oil, such as oil of sesame. It is proposed also to prohibit the marketing of edible oils which are artificially coloured, or to which naturally coloured fats have been added. But further to protect olive oil, it is considered necessary to prohibit its sale with any other vegetable oil.

Turkey Opium Market

THE opium market in Turkey at the present moment is practically dead and buyers are holding back. This is attributed to the financial crisis through which Turkey is passing at the present time, and also to the favourable prospects of the new opium crop, which commences at the beginning of June. Inquiry from abroad has almost completely ceased and sellers, moreover, are ready to dispose of their present stocks at cheaper rates. Prices show a level that has not been known for some years. During the period from March 6 to May 4, 67 cases were sold at the following prices:—

Quality	Per oke
Malatia	£T27.50 to £T32
Balukissar	£T17.00 to £T20.00
Sparta	£T22.50
Konia	£T18.00

Mercury in New Zealand

WITH reference to the article which appeared in our issue of January 11, 1930 (p. 50), dealing with mercury in New Zealand, a correspondent calls our attention to the fact that the statement there made: "It is said the deposit (Ngawha) ... is the only one of its extent in the entire British Empire which can be worked with prospect of profit," is probably incorrect. He is informed that the average grade of ore in the Great British Mercury Mine is higher than Ngawha, though possibly the deposit is not so extensive. Both these deposits are north of Whangarei, but are many miles apart. From his knowledge of the widespread sporadic occurrence of mercury ore in this large area, our correspondent is convinced that beyond the several deposits at present known, further discoveries of importance will be made. The Great British Mercury Mine has to date produced seventeen tons of mercury. With a very inefficient plant it has shown a return of one per cent. mercury, and ore is at times mined running 10 per cent. mercury.

The Citric Acid Industry

A COMMISSION has been formed in Italy to concentrate the manufacture of citric acid in one locality, and eliminate a severe crisis, caused by excessive competition, which was affecting the price of the raw material, calcium citrate. The latter is regulated by a state commission, the Citrus Products Chamber, which controls production of this basic material. This centralisation has made it possible to raise the price of citric acid so as to produce an adequate return for capital invested, as well as to increase the price of calcium citrate 40 per cent. Nevertheless, a serious peril still threatens the citric acid industry—the synthetic production. This is already manufactured on a large scale in America, as well as in Belgium. The cost of the synthetic product is very low, and if the two products met in competition it would lower the cost of calcium citrate to such an extent that it would no longer be possible to utilise citrus fruits in its production. The Italian factories, foreseeing this possibility, have obtained an interest in the European synthetic products industry, and are working to avoid a clash between the two interests.



Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

Unemployment in Pharmacy

SIR,—The remarks of Mr. Parry at the annual meeting of the Pharmaceutical Society concerning the increase in the number of apprentices or students registered and its bearing on unemployment are not very convincing; and although he expressed a hope that next year the Council would be able to formulate some definite line of policy, it is highly probable that the draft Bill will be as much as the Council will find time to deal with for a considerable period. Besides which, bearing in mind that the present state of unemployment is not a matter of the last few months, but has been increasing gradually for some years, and that it has been stated that the average number of replies received to advertisements for qualified assistants runs into seventy or more for each position vacant, one would have thought that the Council would long ago have come to some decision as to whether it could deal with the situation in any way. Up to the present, it would seem, the Society has almost completely concerned itself with the careers of students before examination and with the necessary details of training and arrangements for holding the Qualifying examination, but it has given no indication that it takes any interest in their welfare after they have received their certificates, beyond the obligatory carrying out of statutory duties under the Pharmacy Acts and the prosecution of unqualified dealers for sales of poisons, etc. I feel sure that if and when the provisions of the draft Bill published in the report of the Departmental Committee come into force, including compulsory membership of the Society and the payment of fees for that membership and also for the registration of business premises, many pharmacists, at present perhaps indifferent to the doings of the Council, will want to know that the money so collected is spent at least partly in their interests. Is this provision for registration of shops going to result in increased employment for qualified men? How many shops are there dotted about the country which do not strictly comply with the regulations?—Faithfully yours,

ABSORBED (2/6).

Council Election

SIR,—I cannot agree with the idea expressed at the annual meeting of the Pharmaceutical Society that it was unfortunate the report of the Departmental Committee should have been published just before a Council election, because quite apart from the question of vote-catching, it is only right that the electors should get some idea of the attitude of the candidates on such a momentous problem. It would seem that the members who trouble to fill up and return their voting papers are quite satisfied with the Council as it has been constituted for the past few years, and it would also seem that the present councillors have more or less permanent seats. The point you raise regarding the correctness of the procedure in declaring the eighth candidate elected is interesting, considering that the vacancy occurred before the poll was closed; although it has probably made no difference in the result, one cannot say what might have happened if a fresh election had been held.—Yours truly,

VOTER (3/6).

This New Business

SIR,—“You can't teach an old dog new tricks” was an adage that came into my mind a few days ago when visiting an established pharmacy, the proprietor of which I have known for a couple of genera-

tions. This used to be a fine old business in 1880 and for many years onwards, of the sort that found employment, mainly dispensing, for three or four assistants who lived over the shop with one or another in perpetual call. For some time now it has been a lock-up shop, and assistants at about seven o'clock disperse and go their several ways. I remember the first intimation of a new kind of business here—a table brought into the shop from the house, cups and saucers, hot water and spirit stove with a young woman in charge, garbed as a nurse, dispensing some preparation of meat juice. Our pharmacies are mostly not big enough to be adapted to many of the new lines and methods. N.H.I. has done little or nothing for such high-class dispensing houses. At all times any semblance of rush and hurry would be unseemly, especially in the matter of extraneous stock, special displays and demonstrations. The silk-stocking era and the immense variety of powders and creams for the sex arrived appropriately with members of this same sex behind our counters; and I, for one, am willing to give way. My friend looked, as he felt, bewildered and rather out of it, lucky to have a son to carry on under the newer conditions, but full of regrets for the old days when pharmacy was a profession.—I am, etc.,

LOOKER ON (21/5).

An Inconvenient Habit

SIR,—Can anyone explain to me why a panel doctor, when he calls on a sick patient, never carries his prescription-book, but requires the patient or his messenger to call at the surgery some time later in the day for the prescription? I have seen this practice cause inconvenience to doctor, patient and chemist to a serious degree in several towns and cities. I have seen prescriptions mixed up and given to the wrong patient; I have seen an ailing patient leave his bed and walk a mile and a half to the surgery when the doctor's residence was three doors from the patient's house; and I have seen urgent medicine delayed seven or eight hours through this practice. There must be a catch in it somewhere, or else it is gross stupidity on the doctor's part. The only doctor I ever asked about it said the prescription-book spoilt his pocket!—Yours truly,

FOR THE PATIENT (28/5).

Subscribers' Symposium

For interchange of opinion among “C. & D.” readers and brief notes on business and practical topics.

Organising a Trades Exhibition

Mr. H. Long, The West End Pharmacy, Chippenham, writes: “Being concerned in the promotion of a small trades exhibition in the coming autumn, I should be greatly obliged to any of your readers who may have had experience in organising such affairs, who would favour me with a note of any special features which they may have found, from experience, tend towards success in these ventures. This is a small market town, and the number of stands will be about twenty, so that the experience of those who have taken part in running exhibitions in places of similar size would be particularly helpful.”

An Old “Pharmacopœia Persica”

The “Pharmacopœia Persica” referred to in your issue of May 31 (p. 661) was probably that of Mir Muhammed Zeman Tunkabuni, bearing the title “Tohfah ul Mowmin.” A Latin translation (now very rare) was issued in Paris in 1669 and 1681 by Joseph de Labrosse, known as Frater Angelus (1636-97). He made the translation in Ispahan. The title is “Pharmacopœia Persica ex idiomate persico in latinum conversa,” followed by four lines in Persian mentioning the holy Ajisua, monk of the Order of the Holy Elias and Theresia and Father Angelus, a Carmelite of Toulouse.—Identifier (2/6).

Dispensing Notes and Difficulties

An Unusual Emulsion

SIR.—Would you be good enough to advise me as to the best way to dispense the following prescription?

Magn. carb. levis	...	...	5vj.
Paraffin liq.	...	...	5xv.
Tragacanth	...	...	q.s.
Ol. menth. pip.	...	...	℥. xx.
Aq.	...	...	ad 5xx.

Yours faithfully,

TRAGACANTH (4/4).

[Tragacanth by itself will not make a presentable pharmaceutical product, and we advise the use of pulv. acaciæ. The pharmacist is expected to produce a result when an emulsion is asked for; we therefore advise the following method of procedure. After experimenting with varying amounts of tragacanth gum with indifferent results we found this method gives a perfect emulsion, although somewhat unusual:—First make a primary emulsion on the 4:2:1 principle, using:—Liquid paraffin, 8 oz.; water, 4 oz.; gum acacia, 2 oz. Thoroughly work this up in a mortar, add the whole of the light carbonate of magnesia, incorporate well, add oil of peppermint, and finally add the remainder of the liquid paraffin gradually. When the primary emulsion of any oil is made, either oil or water may be added gradually. In the above case the addition of oil makes a very thick product, but not more so than certain preparations on the market. It has the advantage of containing more liquid paraffin (75 per cent.) than most emulsions, and you must not expect it to be very liquid. The addition of a little tragacanth will fulfil the letter of the prescription.]

Legal Queries

D. K. G. (24/5).—The use of the title "Green Corn Salve" on the label would render the article liable to medicine-stamp duty. The conditions under which "known, admitted and approved" remedies may be sold unstamped by chemists and other persons to whom this exemption is extended were published in THE CHEMIST AND DRUGGIST, March 8, p. 300, where the new order was discussed editorially.

BM/JRFA (27/5) signed a printed form (of which he sends us a copy) in which he requested a firm to supply a "complete reading course" and provide other services, to be paid for by monthly instalments. He paid the first instalment at the time, and five days later wrote to the firm asking them to cancel the agreement. This they refuse to do. Is he bound by the order? [In our opinion, "BM/JRFA" has entered into a binding contract, and has no right to cancel it.]

W. L. M. (20/5) bought a house and shop three years ago and obtained, upon the premises, a first mortgage for £1,500 and a second mortgage for £500. The second mortgagee has died, and his representatives have called in the mortgage. What can they do to enforce repayment of the money? [They can sue "W. L. M." on his covenant to repay the amount of the mortgage; but they cannot foreclose and sell the property unless they discharge the first mortgage and secure a transfer of it to themselves.]

H. R. C. (12/5).—An assistant who has for some years been insured under the National Insurance scheme now receives in salary and commission more than £250 a year. Must contributions still be paid in respect of him? If not, can he become a voluntary contributor and continue to be entitled to medical benefit? [No further contributions need be paid; but as he has been compulsorily insured for more than two years he is eligible to become a voluntary contributor if he wishes. However, after a few months he will cease to be entitled to medical benefit and the amount of his weekly contribution will be reduced. He will be eligible for all the other benefits.]

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

W. R. (21/58).—PRESERVATION OF REPTILES.—Alcohol and formaldehyde solutions are used for preserving small specimens entire.

I		II	
Commercial alcohol (95 per cent.)	grain per 1 part	Formalin (40 per cent.)	per 1 part
Water	4 parts	Water	9 parts

Small reptiles are generally dropped alive into the alcohol. When dead they are removed and injected with the solution and again placed in the tank. As the liquid becomes discoloured it should be changed. Specimens in formalin should be at first covered by at least double their volume of fluid. As with alcohol, it is advisable to inject them with the solution (about one in four). Alcoholics should be kept in a dark room as much as possible, as exposure to light tends to bleach out the colours. Specimens desired for subsequent use as skeletons should be kept out of formalin.

J. L. (29/58).—STARCH GLOSS.—The following formulas should meet your requirements:—

Lump	Powder
White wax ... 6 oz.	Hard paraffin 5 lb.
Spermaceti ... 3 drs.	Citronella oil ... 200 drops
Borax ... 8 oz.	Melt and run into a tray
Gum tragacanth ... 1½ oz.	½-inch deep. When cool, cut
Mix, melt and allow to cool, then break up into lumps. A piece the size of a walnut for a quart of starch.	into pieces about the size of a lozenge.

J. H. F. (30/58).—PULV. CASEINI CO.—The formula for pulv. caseini co., Guy's Hospital Pharmacopœia, is given in "Pharmaceutical Formulas" (10th edition), p. 487, as follows:—

Calcium glycerophosphate	...	gr. x.
Refined sugar	...	℥j.
Cocoa powder	...	5j.
Lecithin	...	gr. j.
Casein	...	to 5j.

P. C. (26/58).—CLEANING PONDS OF ALGÆ.—Copper sulphate in the proportion of one in a million is used for cleaning ponds of algæ, and is said not to be injurious to fish. The method of using is to place the amount (in large crystals) in a canvas bag and drag this through the water until the salt has dissolved.

Retrospect of Fifty Years Ago

Reprinted from

"The Chemist and Druggist," June 15, 1880

A New President Elected

The President [of the Pharmaceutical Society of Great Britain, Mr. G. W. Sandford] said he would next ask the Council to proceed to the election of a president. In reply to Mr. Atkins, he said his decision to decline re-election was absolute and final.

The votes being taken it was announced that nineteen were given for Mr. Greenish and one for Mr. Sandford.

The President said the election was practically unanimous, for in the one opposing vote he recognised the handwriting of Mr. Greenish himself. He had much pleasure in handing to Mr. Greenish the seals of his office.

Mr. Greenish then took the presidential chair. In doing so he said he was highly sensible of the honour conferred upon him. He was sure it must be a source of pain to every member of the Council to know that failing health should have compelled the retirement of one so conversant with the affairs of the Society.



[Commenced C. & D., July 5, 1924]

Soap Solutions, Clarke's, Wanklyn's.—Used to determine the hardness of water. Clarke's soap solution is made by dissolving four or five grams of Castile soap in 500 c.c. of a mixture of two volumes of alcohol and one volume of distilled water. The insoluble matter is removed by filtration and the soap solution diluted with half its volume of water. A portion of this solution is then further carefully diluted until 7 or 8 c.c. is required to form a permanent lather with a mixture of 25 c.c. of standard calcium chloride solution (prepared by dissolving 0.2 gm. of Iceland spar in dilute hydrochloric acid and after driving off excess of acid on the water bath making up to 1,000 c.c. with distilled water) and 25 c.c. of distilled water. Wanklyn's soap solution is prepared by dissolving 10 grams of Castile soap in 1 litre of alcohol. Each c.c. = 0.001 gm. of calcium chloride. As the solution does not keep well, it is standardised by titrating with a standard hard water made by dissolving 1.11 gm. of calcium chloride in 1 litre of water. Each c.c. of this solution equals 0.001 gm. of calcium chloride.

Soapwort.—*Saponaria officinalis*, Linn., a herb belonging to the N. O. Caryophyllaceae. It is used by herbalists as a remedy for scrofula and venereal and skin diseases, and is generally said to be superior to sarsaparilla. The plant contains a saponin, and the root is sometimes used for producing a head on beer. It occurs in a semi-wild condition in this country, usually in waste places on hedgebanks near gardens, flowering in August. The plant has a loose spreading habit caused by stolons. It grows about one foot high, and has pinkish flowers of the same shape as the common campion, *Lychnis diacua*. It is used in the form of decoction of two ounces boiled in a pint of water, and in doses of one to two tablespoonfuls. The leaves are opposite and entire, smooth, elliptic lanceolate, about two inches long and $\frac{3}{4}$ inch broad, with the two outer veins curved upwards towards the apex of the leaf, which is greyish-green when dried. Illustrations showing the flowering plant and the striated epidermis of the leaves are given in Planchon and Collin's "Drogues Simples," II (p. 763, fig. 1230-1231).

Soapwort Root.—The root of *Saponaria officinalis* is also an article of commerce. It consists of roots and stolons. The roots have a reddish tint and are ridged longitudinally, and the transverse section shows a radiate structure full of pores in the central part, the stolons are marked with swollen joints bearing the scars of opposite leaf buds. They are distinguished also from the roots by the presence of pith. The whole plant contains saponin. The root has very little odour, but the powder causes sneezing. The taste is at first sweetish and sickly, then acrid, the acridity lasting for some time. Soap root is also imported from Spain, Egypt and the East, including Russia. The Spanish root is believed to be derived from *Gypsophila Struthium*, Linn. Flückiger is of opinion that it is also derived from *Gypsophila Arrostii*, Guss., which grows in Italy, and that the Asia Minor soap root is obtained from *Gypsophila paniculata*. These roots are larger than the British soap root occurring in rather stout cylindrical pieces, three to four centimetres in diameter, deeply furrowed longitudinally and a little transversely; the yellowish-fawn coloured surface of the root is frequently marked with white patches caused by the soft bark of the surfaces rubbing against one another and exposing the white cortical layer beneath. The central portion has a distinctly radiate structure with several faint concentric rings. The parenchyma contains

numbers of sphaeroraphides. Illustrations of the Egyptian soap root showing external appearance, and the internal structure and microscopical details are given in Planchon & Collin, "Drogues Simples," tome II (pp. 767 and 768, fig. 1234, 5, 6). All these roots contain a saponifying substance of the saponin class, but the claims of saponins need further examination as to their physiological properties, for a saponin that is non-poisonous and can be used for frothing solutions is still a desideratum.

Society of Apothecaries of Dublin.—The origin of the Worshipful Company of Apothecaries of the City of Dublin has been traced to the Guild of St. Mary Magdalene, which is known to have been an important body as early as 1484. A document of October 1, 1741, mentions the "Antient and Worshipful Corporation of Barbers and Chirurgeons, Apothecaries, and Peruke-Makers, or Guild of St. Mary Magdalene in Dublin"; it thus appears that for some centuries Dublin apothecaries were united to members of three other vocations. By a royal charter of 1745, the Guild of St. Luke, "or Worshipful Corporation called Master Wardens and Commonalty of the Art and Mystery of the Apothecaries of the City of Dublin," was incorporated. The establishment of an Apothecaries' Hall was projected soon afterwards, and in 1790 a subscription list was started. By this time examinations had been set up; in 1791 an Apothecaries Act was passed which made apprenticeship another condition of entry to the profession. A site was selected in Mary Street, and the Hall was in use in the following year. Among the distinguished men who have been associated with the Hall are Michael Donovan and William Higgins. Further details of the history of the Society were given in the C. & D., 1929, I, 813. The Company of Apothecaries grants a diploma (L.A.H.) to candidates who pass two examinations, particulars of which may be obtained from the Registrar, Apothecaries' Hall, 95 Merrion Square, Dublin. A history of the Company was written by the late Dr. J. C. McWalter (at one time a member of the Council of the Pharmaceutical Society of Ireland), and was published by E. Ponsonby, Ltd., in 1916.

Society of Apothecaries of London.—An examining and registering medical body, which is also a company of the City of London, the fifty-eighth in order of precedence. It was established by a charter granted on December 6, 1617: for more than eleven years prior to that date apothecaries had been united by charter with grocers in the City. The Society transacted its affairs for a few years in a hired hall; in 1631 it was decided to acquire a suitable building or site, and the present property in Water Lane was eventually purchased. In 1671 the erection of a laboratory was commenced: in the following year a "selling place" was fixed for the "operator." From an early period the wholesale trading of the Society was successful: its retail shop, enlarged in 1822, also enjoyed a considerable clientele. Both these departments were closed in 1922, and the stock, formulas and prescription-books were sold. The two outstanding events in the history of the Society were the lawsuit of Rose v. College of Physicians, which established in 1703/04 the right of apothecaries to prescribe, and the passing of "An Act for better regulating the Practice of Apothecaries throughout England and Wales" in 1815 (see Apothecaries Acts). Amending Acts were passed in 1874 and 1907. The Society exercised its right of searching apothecaries' shops for the presence of defective drugs till early in the nineteenth century. The premises in Water Lane, commonly known as the Apothecaries' Hall, were partially destroyed in the great fire of 1666 but were rebuilt shortly afterwards, and in 1786 were enlarged. The establishment of the Chelsea Physic Garden by the Society took place not later than 1673. Sir Hans Sloane presented the Society in 1722 with the land on which the Garden stands, and many famous botanists have been associated with it. The official History of the Society (Stock, 1905) is written by C. R. B. Barrett: further particulars of the Chelsea Physic Garden are given in the C. & D., 1923, I, 922 et seq.

Society of Chemical Industry.—Established in 1881, as the outcome of a meeting held in London, for the purpose

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of enabling persons interested in chemical industries to meet, correspond and interchange ideas respecting improvements in processes and to publish information concerning them in a journal or otherwise. A Royal charter of incorporation was granted in 1907. The address of the offices of the Society is Central House, 46 & 47 Finsbury Square, London, E.C.2; president, Dr. Herbert Levinstein; secretary, Mr. H. J. Pooley.

Society of Public Analysts.—Founded in 1874; title changed in 1907 to "The Society of Public Analysts and other Analytical Chemists." Publishes a journal and meets every first Wednesday, October-May, in the Chemical Society's Rooms. Secretary and Editor of Journal, Mr. C. A. Mitchell, 85 Eccleston Square, London, S.W.1.

Soda is strictly an abbreviation for sodium oxide Na_2O . According to the O.E.D. it is the term applied to alkaline substances obtained originally from the ashes of salt impregnated plants. It is frequently used as a synonym for sodium, and is the domestic term for sodium carbonate or washing soda.

Soda Ash is a commercial name for anhydrous sodium carbonate, especially that prepared by the Leblanc process. If obtained by the Solvay process it is known as ammonia soda ash; if containing sodium hydroxide, caustic soda ash. Yellow soda ash is coloured by traces of ferric oxide. It is used for a very wide variety of purposes in industry, especially in the manufacture of glass and soap, in many branches of textile technology, and as a source of other sodium compounds. In this country the value of a sample of soda-ash is generally expressed in terms of the available soda, Na_2O . This is determined by the titration of a filtered aqueous solution, and does not therefore include the alkalinity due to insoluble compounds, such as magnesium and calcium carbonates. Chemically pure sodium carbonate was formerly thought to have an equivalent weight of 54, and the percentage of Na_2O in this is 58.49. Such a sample is said to be 58.49 "English," or "Newcastle," degrees. This differs slightly from the true value, since the modern figure for the equivalent weight is 53. The German method is to calcine the sample first, and the titration figure includes the alkalinity of the soluble and insoluble constituents. French and Belgium, or "Descroizilles" degrees express the weight of H_2SO_4 (100 per cent.) neutralised by 100 parts by weight of the sample.

Soda Water.—(1) A beverage containing a few grains of sodium bicarbonate per pint of water charged with carbon dioxide under pressure; (2) the liquor sodæ effervescens of the British Pharmacopœia, 1885, similarly prepared, but containing 30 gr. of sodium bicarbonate to the pint; (3) "a solution of sodium bicarbonate, sodium chloride and sodium sulphate impregnated with carbon dioxide under pressure" (British Pharmaceutical Codex, 1923). The first record of artificial aeration of liquids was published by Venel in 1750; he dissolved sodium bicarbonate in water and added hydrochloric acid to saturation, taking care to avoid expulsion of the gas. In 1772 Priestley used chalk and an acid, to be followed a year later by Lavoisier, who suggested mechanical compression with a pump. The first gazogene apparatus was exhibited by Dr. Nouth in 1775. At the beginning of the nineteenth century a continuous-action aerated water machine was patented, and the first portable apparatus followed some twenty years later. Modern carbonating machinery involves the use of an agitator which mixes the carbon dioxide with the liquid at from 100-lb. to 200-lb. pressure per square inch.

Sodium was discovered by Humphry Davy in 1807, who obtained it by electrolysis of caustic soda. It is now made almost exclusively by modifications of Davy's original process, the design of the apparatus being such that the oxidation of the sodium formed is prevented. Attempts have been made to replace the comparatively expensive hydroxide with the very much cheaper

chloride. The difficulty is the high melting point of common salt, 775° , whereas the hydroxide melts at 310° . At the higher temperature there is a tendency to the formation of a subchloride Na_2Cl . There also tends to be formed a so-called "metallic fog" due to the dispersion through the molten sodium chloride of colloidal particles of metallic sodium. The difficulties have been overcome partially by using an iron cathode and a fireclay anode, the two being united by a water-cooled joint, while a lower melting point for the electrolyte is obtained by using a mixture of the chlorides of sodium, potassium, and lithium. Sodium, when a fresh surface is exposed by cutting, has a bright silvery lustre. In moist air it rapidly becomes covered with a yellowish coating containing NaOH , NaO , Na_2O and Na_2CO_3 . It is stated that this covering is sufficient to prevent further action and that the metal need not therefore be kept under an inert solvent. At -20° it is brittle, and is ductile at 0° , while at ordinary temperatures it is quite soft enough to be cut with a knife. If heated in air it gives the oxide and peroxide. Heated out of contact with air, the vapour is seen to be purple in thick layers, with a greenish fluorescence. Halogens and halogen acids are without action if perfectly dry, but react readily in the presence of traces of moisture. It decomposes water at ordinary temperatures. The globules of metal, buoyed up by hydrogen, are vigorously motile, and these movements tend to disperse the heating effect, so that the hydrogen evolved is not ignited, as is the case with potassium. It is a good conductor of heat and electricity, coming next, in this respect, to copper, silver and gold. Sodium has been obtained in colloidal solution in ether by passing a current between aluminium electrodes through granules of sodium immersed in the solvent. Crystalline sodium has been obtained by heating the element in a sealed tube, in an atmosphere of hydrogen, allowing to cool, and pouring off any liquid residue. Metallic sodium is used in preparing cyanides by fusion with potassium ferrocyanide, and also for the preparation of sodamide and other compounds used in the dye industry. It is also a useful laboratory reagent in organic chemistry.

Sodium Acetate, CH_3COONa . $3\text{H}_2\text{O}$, is prepared by neutralising acetic acid with sodium carbonate, and is manufactured on a commercial scale from crude pyroligneous acid, by neutralisation with milk of lime, and subsequent double decomposition of the calcium acetate formed with sodium sulphate. It occurs as colourless monoclinic prisms, or as a granular crystalline powder, and should be nearly odourless. The taste is saline and slightly bitter. It is soluble in water, 1 in 1; in alcohol about 1 in 20; it effloresces in warm air and on heating liquefies at 58°C ., and becomes anhydrous at 120°C .; at higher temperatures it is decomposed, giving sodium carbonate.

Sodium Arsenate is di-sodium ortho-arsenate, Na_2HAsO_4 , and is official in the B.P. 1914 in the anhydrous forms. The compound forms crystals with four, seven or twelve molecules of water, and, owing to this variation in the proportion of water, the anhydrous salt is preferable. The salt can be prepared by heating sodium nitrate with arsenious oxide at a dull red heat until fumes cease to be evolved. Sodium metarsenate is formed NaAsO_3 . It is dissolved in water and warmed with sodium carbonate solution. The crystals which separate on cooling are washed with a little water and dried at ordinary temperatures. The anhydrous salt is obtained on drying the crystals at 150° .

Sodium Arsenite.—Two arsenites are known—the acid salt, $\text{Na}_2\text{As}_2\text{O}_5 \cdot 2\text{H}_2\text{O}$, and the normal salt, $\text{Na}_2\text{As}_2\text{O}_5$. The former is prepared by dissolving arsenious oxide in sodium hydroxide or carbonate and evaporating. The solution in water is known as Horle's solution or liq. sodii arsenitis. The normal compound is formed when the acid salt is boiled with sodium carbonate solution, the product being evaporated and washed with alcohol.



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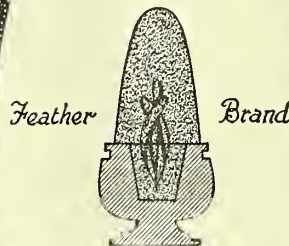
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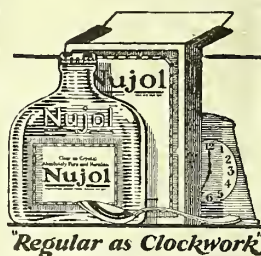
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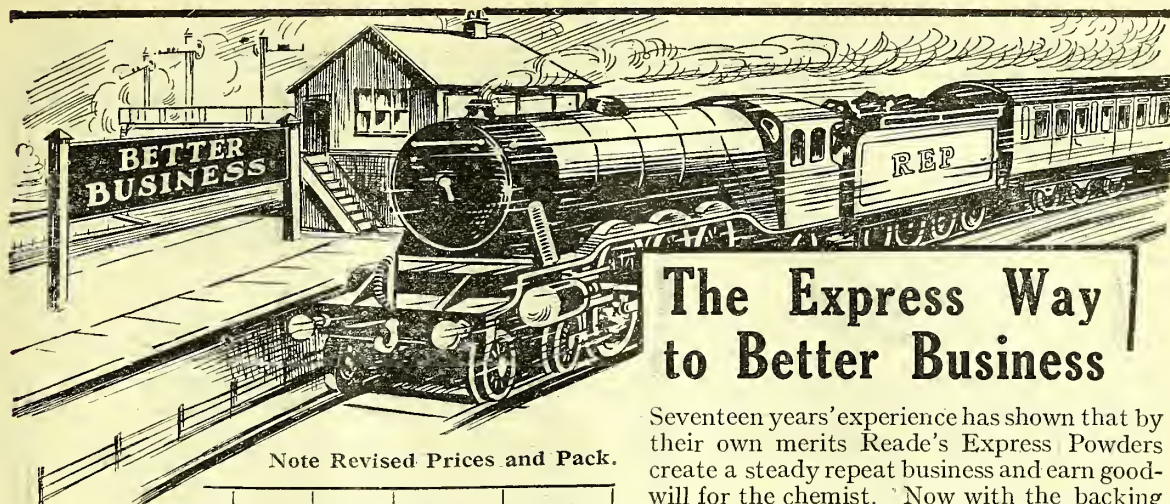
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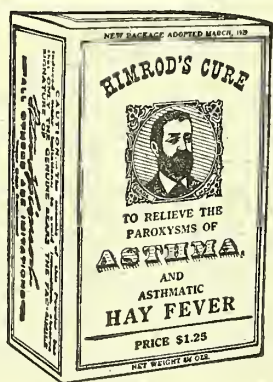



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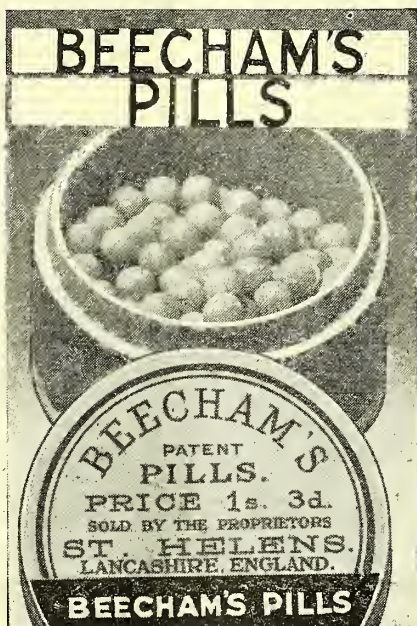
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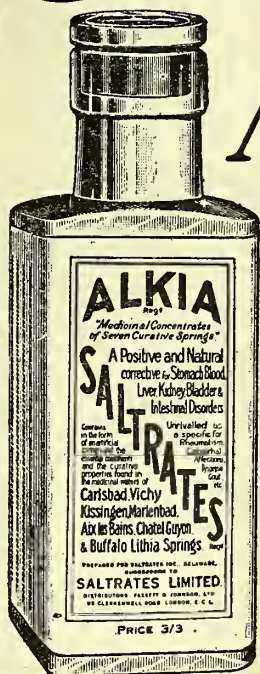
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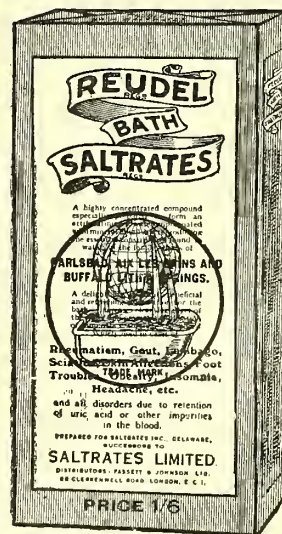
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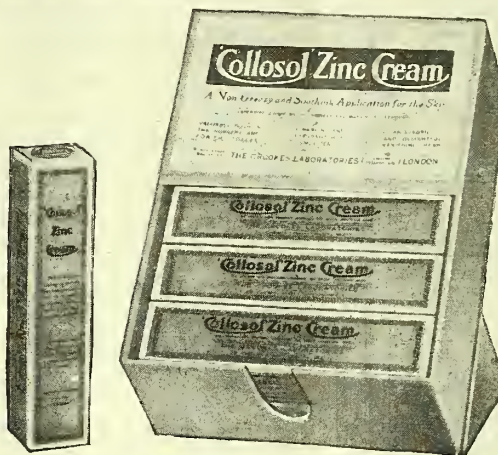
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MEL ROSE *the Summer* BUY-WORD!

Sheppey's MEL ROSE TABLETS. Famous for over 45 years, 2d. and 4d. MEL ROSE NEW CENTURY CREAM. Sold in tubes of convenient size and shape for the handbag. Price 6d. and 10d.



JUNE—JULY—AUGUST—when summer girls in their thousands fly to MEL ROSE CREAM, the proved safeguard against painful sunburn. The efficacy of a little applied at night is a household byword, and your summer buy-word. Remember—every day they'll want it, more especially for holidays. Are you well stocked, ready to meet the demand? Write to-day for trade terms, etc.

Sheppey's
MEL ROSE
CREAM

In Attractive Jars - 9d.

Sole Manufacturers: **ROBERTS & SHEPPEY,**
2 Skipton Street, London, S.E.

CAPSULES d'ENERGIE

(Gland Rejuvenate Compound
with Glycerophosphates)

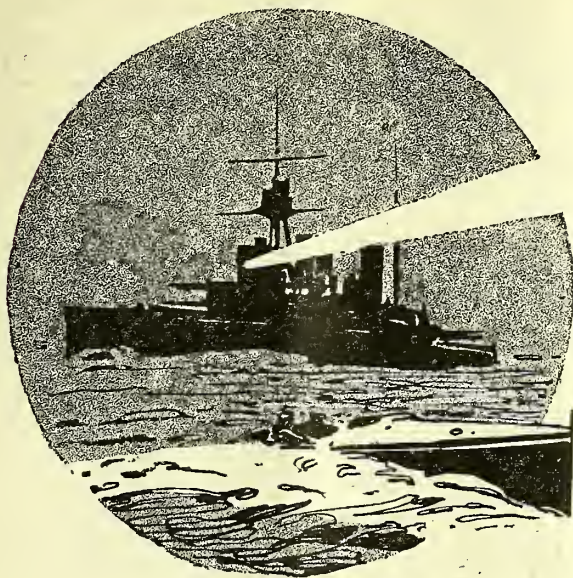
5/- size - - 22/- per doz.
10/- size - - 40/- per doz.

Attractive Showcards.

SPECIAL TERMS AND PACKING FOR EXPORT

Obtainable through usual wholesalers or from—
JOHN W. MAWSON & Co., Ltd.
LONDON, S.E.27.

SAMPLE BOX ON REQUEST



SPEED

MANY QUICK CONFERENCES

are held at our head-
quarters, the results of
which are translated into

IMMEDIATE ACTION

Each day brings new
experiences and possi-
bilities for improving
our service to you.

We think and act in
terms of speed. The
day when you send
your first order to us
is the day when you can

**GIVE YOURSELF
A PAT ON THE
BACK**

DRUGGISTS' SUNDRIES
PROPRIETARY ARTICLES
DRUGS
PHOTOGRAPHIC MATERIALS
PACKED TOILET GOODS
SURGICAL DRESSINGS

Sanger's
LIMITED

258 EUSTON ROAD
LONDON—N.W.1

and at

Old Infirmary Buildings
NEWCASTLE-ON-TYNE



MARMITE—that word is the answer to many a diet question that is being asked in the consulting rooms of England just now.

Your customers have heard from their Doctors that Marmite is *good* for them; that it is so rich in the essential Vitamin B—and they have learned from their daily papers that it means better cooking, too.

Feature the attractive Marmite Jar in your window, and lay in a good stock to meet the extra demand.

RETAIL PRICES

1 oz. Jars, per doz. 6/-	8 oz. Jars, $\frac{1}{2}$ doz. 15/-
2 oz. " " 10/-	8 oz. " per doz. 30/-
4 oz. " " 18/-	16 oz. " $\frac{1}{2}$ doz. 27/-
16 oz. Jars per doz. 54/-	

MARMITE

THE GREAT YEAST FOOD

MARMITE FOOD EXTRACT CO., LTD.,
Mincing Lane House, 59, Eastcheap, London, E.C.3.



HOME MADE BEER

from

MASON'S EXTRACT OF HERBS

THE NATIONAL BEVERAGE :
SELLS FREELY EVERYWHERE

UNIQUE DISPLAY MATERIAL
EASILY ARRANGED

Folder Showcard. Half-pint Mug.
Imitation Bottle of Beer, &c.

WINDOW SHOW ALLOWANCE
WITH OPENING ORDER

Apply to NEWBALL & MASON, LTD.,
Nottingham, for particulars.

GOOD IT'S MASON'S

"VITAMIN TESTED YEAST"

Yeast specially prepared for medicinal purposes.

GUARANTEED ABSOLUTELY PURE.

MIDGLEY & PARKINSON, LTD.,
WARREN WORKS, PUDSEY, LEEDS.

DRIED MILK

Large buyers of Full Cream, Half Cream, Separated, Milk Sugar, Whey Powder, Soluble Milk Casein, are invited to apply for samples and quotations, stating probable requirements. Eight Creameries in Dorset, Somerset and Wilts.

PRIDEAUX'S LTD., MOTCOMBE, SHAFTESBURY, DORSET

RIDGE'S FOOD

for Infants, and Adults of all ages.

WELL ADVERTISED to the GENERAL PUBLIC.

SAMPLES, ADVERTISING MATTER and SPECIAL
DISPLAY TERMS ON APPLICATION TO:

ROYAL FOOD MILLS, LONDON, N.16



PRUNOL

PRUNE JELLY

**SAFE AND
SIMPLE**



In Jars
1/6 and 2/11
From all
Wholesalers

NATURE'S FRUIT LAXATIVE FOR CHILDREN AND ADULTS

In response to many requests from Chemists we have decided to distribute the

9d. TRIAL SIZE

through the Trade at the usual discounts.
Your Wholesaler holds stocks of this size.

40/- Bonus Parcels, together with Display Carton, Wrapping Paper, and Prunol Booklets, are available through your Wholesale House.

**PRUNOL PRODUCTS LTD., 21 COCKSPUR STREET,
LONDON, S.W.1**

Phone : Regent 1920

Wires : "Prunol, Westrand, London."

CREMO-CARBONATES

(Tri-Carb-Cream-Mulford)

**Effective
Non-Caustic
Palatable**



**H. K. MULFORD
Company, Ltd.,
Regent Arcade House,
252 Regent Street,
London, W.1.**

CREMO-CARBONATES presents certain unique features which warrant its preference whenever an antacid and corrective is indicated. For the first time the well-known protectives and antacids, bismuth, magnesia and lime, are supplied as a suspension of particles of colloidal dimensions.

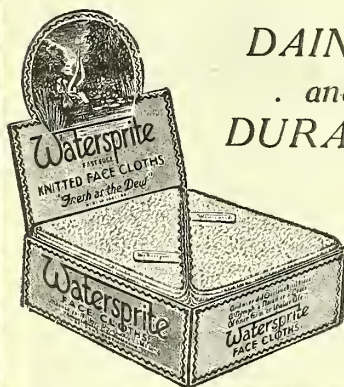
Its colloidal nature gives it maximum covering power superior to that of a mere mechanical mixture of bismuth, magnesium and calcium.

CREMO-CARBONATES is a soothing antacid, corrective and digestant, particularly useful in the treatment of hyperacidity accompanied by flatulence and of any other conditions where there is excessive secretion of the gastric juices.

THESE CHARMING CLOTHS, BEING
SPECIALLY KNITTED, HAVE JUST
SUFFICIENT ELASTICITY TO RENDER
THEM DELIGHTFULLY SOFT IN USE,
AND APPEAL INSTANTLY TO
DISCRIMINATING
BUYERS.

**DELIGHTFULLY ATTRACTIVE
DISPLAY CARTONS**

PRINTED IN SEVEN COLOURS
CONTAINING TWO DOZEN.



*DAINTY
and
DURABLE.*

Watersprite FACE CLOTHS

MADE IN ENGLAND

POPULAR PRICES.

WHITE, with Coloured Borders.

G220.	Overlocked, Assorted Colours	4/- doz.
G221.	" " " and Cross-stitched	4/6 "
G222.	Shell-stitched, Assorted Colours	5/3 "
G223.	" " " and Cross-stitched	5/9 "

COLOURED, with Coloured Borders.

G224.	Overlocked, Assorted Colours, and Cross-stitched	5/6 doz.
G225.	Shell-stitched " " " "	6/- "

SPECIAL ASSORTMENTS.

G226.	Cartons containing 4 each of above 6 Numbers	10/6 per carton.
G227.	" " 6 " G220, 222, 223, 224	10/3 " "

Sole Manufacturers :

SOLPORT
BROTHERS LIMITED

184-192 GOSWELL ROAD
LONDON - - E.C.1

FROM ALL WHOLESALEERS.

IF ANY DIFFICULTY IN OBTAINING SUPPLIES, WRITE US DIRECT.

A profitable line for the Counter NORVIC

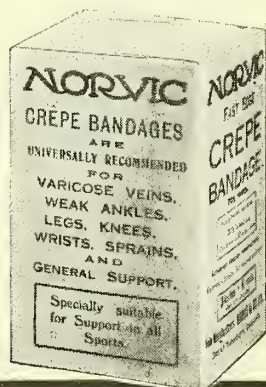
**BLUE CARTON
CRÊPE BANDAGES**

Protected Prices—Assured Profits

Stocked by all the leading wholesalers.

Attractive showcards free on request.

Sole Manufacturers :—Grout & Co. Ltd., 35 Wood
St., London, E.C.2.



J. PILLISCHER, Ltd.
88 New Bond St., W.1
*The "International"
Microscope*
IMPROVED MODEL
2 Eye Pieces. $\frac{1}{8}$ & $\frac{1}{4}$ Object Glass
Magnifying Power 50 to 420 diams.
In case with lock and key.
Sent free to any part of
the World on remittance of
£14 : 6 : 0

The Lancet says:
"We can conscientiously recommend it to all who really want a useful instrument."
Enquiries invited for all other kinds of Microscopes, Optical and other scientific instruments.
15 GOLD MEDALS
16 GRAND PRIX

Hinders ZIX-PADS



THE
"INSTANT RELIEF"
PADS

which show over

38% PROFIT

with

BONUS

supported by

**NATIONAL PRESS
ADVERTISING**

Carriage PAID on all
Orders

HINDERS ZIX-PADS **7^{1d}**
retail—per carton **2**

SPECIAL WINDOW
FEATURES

Full particulars from

Hinders Limited 174/152 ESTCOURT ROAD,
LONDON S.W.6

CONTENTS

8 pads for CORNS or
4 pads for BUNIONS or
4 pads for CALLOUSES

Best sellers
The public is asking
for **ZEAL**

**CLINICAL
THERMOMETERS**

because they are:-

**GUARANTEED TO
STAY ACCURATE**

**CONSISTENTLY
ADVERTISED**

Made by

ZEAL

—the name the
public knows.

G. H. ZEAL, LTD.,
75 & 77, St. John St., London, E.C.1.



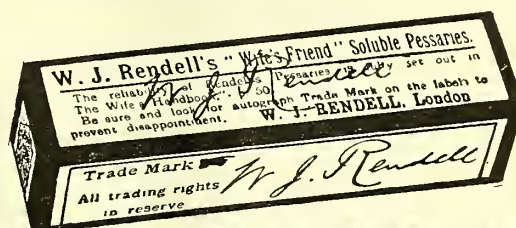
RENDELLISMS

10



Normal Lives

The happiness and prosperity of thousands of homes is maintained by the use of Rendell's. The chemist who supplies them enjoys an esteem it is difficult to over-estimate.



RENDELL'S SOLUBLE QUININE PESSARIES

Dignified display matter and interesting literature supplied free on application. Chemists everywhere find them unrivalled for making new customers—permanent, profitable ones. You can get Rendell's from your wholesaler to retail at 2/6 (P.A.T.A.) per box. Remember the public will not accept substitutes.

W. J. RENDELL LTD.
15, CHADWELL STREET, LONDON, E.C.1.

We Are Still Executing Orders
for the

LACARNO

MEDICATED
TOILET
ROLL

WHY!!!

BECAUSE IT IS ONLY OBTAINABLE
FROM THE CHEMIST

COSTS
3^{d.}
SELLS at
6^{d.}

CONTAINS
650 SHEETS
PURE WHITE
SULPHITE
PAPER.
12 oz. ROLLS.

FREE
DELIVERY.
PACKED IN
CARTONS.
SAMPLE
ROLL FREE.

Sole Manufacturers:
J. RUTHERFORD & Co.
LIMITED,
VICTORIA PAPER MILLS,
VICTORIA ROAD,
HOLLOWAY, LONDON, N.7
Contractors to H.M. Government.

GARDINER'S OVERALLS

For CHEMISTS & DRUGGISTS

SEND FOR NEW ILLUSTRATED LIST.

Jackets and Coats of very superior quality, made from the most reliable materials, smartly cut and thoroughly well finished in every detail.

WHITE DRILL JACKETS ... 6/11, 8/11, 10/6
KHAKI DRILL COATS 6/11, 8/6, 10/6, 12/6, 14/6
WHITE DRILL COATS 7/6, 9/6, 12/6, 13/6, 15/6
BLACK DRILL COATS ... 15/6
GREY COTTON COATS ... 7/6

STOCK SIZES: 34 to 44 chest measure over waist-coat. Special pockets and little adjustments can be made without extra charge. POSTAGE on single coat 9d., but 20 - orders upwards carriage paid. SPECIAL PRICES FOR LARGE QUANTITIES.

GARDINER

& CO. (The Scotch House), LTD.

1, 3, 5 Commercial Road, LONDON, E.1

Telephone: Bishopsgate 6751.

Established 1839.

BRANCHES:

Deptford, Edgware Road, Woolwich,
Clapham Junction and Knightsbridge.

*In the last
5 years
the sales of*



TOWN TALK

LIQUID SILVER POLISH
& SILVER PLATE CLOTH

have increased
3 Fold

Get your share of the
trade by ordering from

JAMES WOOLLEY, SONS & CO., Ltd.,
Manchester
AYRTON, SAUNDERS & Co., Ltd., Liverpool
BROOKS & WARBURTON (American Drug
Supply Co.), Ltd.

Town Talk Polish Co.
Whitby St., Bradford Road, Manchester



KOTEX SAYS



Sow well and reap a good harvest

THE farmer knows all about it. He can count on the co-operation of sun and rain. The soil is there for him to work. By careful tilling he can grow as good grain in his two-acre field as his big neighbour with a dozen acres. Much depends on the manner of his sowing and the methods he adopts.

We are also engaged in sowing and reaping. Time and money spent in study and experiment before KOTEX was evolved in its present form—is so much SOWING.

Then, the task of bringing it widely to the attention of the women public—is so much SOWING.

THE CONDITIONS ARE RIGHT FOR YOU.

Now is the time to look to the harvest. Inborn in most people is the desire to have the best that money can buy. KOTEX offers the best of its kind. Every month 7,000,000 women buy it. These figures are considerable and the demand is ever growing.

A LITTLE SOWING EFFORT IS REQUIRED.

Not much—for a good bit has already been done. Most women in your neighbourhood have seen our advertising. They would like to buy KOTEX, but they will not get it until they see it in your shop.

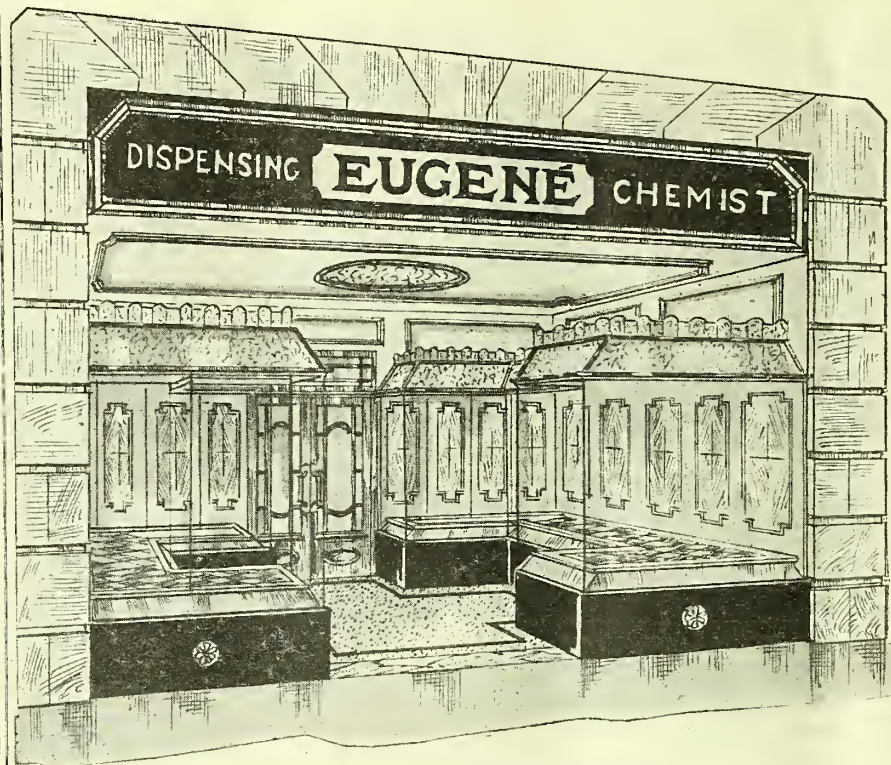
SO WHY NOT REAP YOUR SHARE?

Our free-of-charge metal counter stand is what you need. Fill it with wrapped packages and place it where it can be seen. Women folk prefer to help themselves and pay.

This silent service is sowing goodwill, and your business will reap the benefit. Women's appreciation of this practical courtesy makes them your permanent customers.

The great thing is to let women know that you stock KOTEX, so that they need not ask. Selling talk is unnecessary.

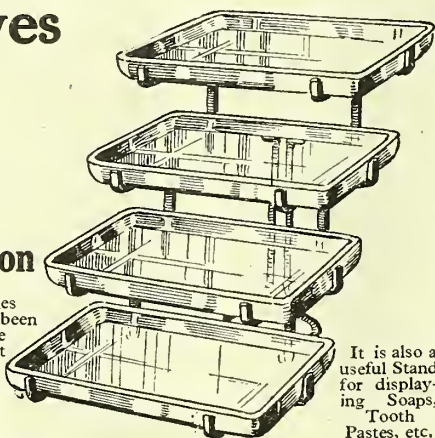
KOTEX LIMITED
78 Salusbury Road
London, N.W.6



Rudduck & Co.
Shop Fitters
and
Shop Front
Builders
219 Old St.
London
E.C.1
*Estimates and
Plans free of
charge.*

Solves the Tooth Brush Question

Tooth Brushes have always been a difficult line to serve, but with the aid of this Stand customers can serve themselves.



It is also a useful Stand for displaying Soaps, Tooth Pastes, etc.

No. CDSF 2851—Very attractive **COUNTER DISPLAY STAND**. Constructed of mild steel finished Silver colour and complete with four clear glass trays size $11\frac{1}{2} \times 7 \times 1$ in. Each tray is slightly sloped rendering the goods easy to see and select from. The overall height is $15\frac{1}{2}$ in., width 12 in., back to front 15 in.

22/6 each complete.

Send for a copy of our new full 48-page List
No. CD 1180, free on request.

DUDLEY & COMPANY LIMITED
451 Holloway Road, London, N.7
City Showrooms: 65-66, Fove Street, E.C.

There is a Special Envelope for your particular problem

NOT a mere variation of an ordinary envelope but something specially devised to solve your own difficulty.

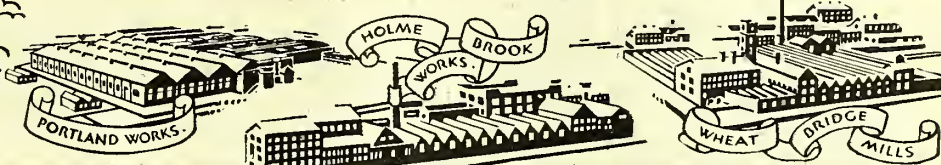
Let us know your problem and we will provide our solution.

BIRMINGHAM ENVELOPE CO., LTD.

Bireco Works,
41-43 Fleet Street, Birmingham.



Chesterfield



The Town of the Crooked Steeple and the Cardboard Box Industry

Goods well packed are half sold, and easier selling means more sales.
We have expert box designers who specialise in designing boxes which are salesmen as well as packages. If therefore you have any packing troubles send them to CHESTERFIELD where our 90 years experience is at your disposal.

ROBINSON & SONS, LTD., WHEATBRIDGE MILLS, CHESTERFIELD.
MANUFACTURERS OF ROUND, OVAL, SQUARE AND FOLDING CARDBOARD BOXES.

900 workers are employed in the above factories.



Make displays and attract custom. Order your stock to-day and apply for free advertising matter.

DRUMMER DYES

EDGES

BOLTON

London Office:

EWING HOUSE, 73/4, CHISWELL STREET, LONDON, E.C.1

CELLOPHANE

The ideal transparent wrapping absolutely harmless, air and grease proof, as used by all the leading Perfumers, Soap Manufacturers, etc., etc., for wrapping Soaps, Drugs, Tablets, Bath Crystals, Perfumery, Surgical Dressings, Sponges, Puffs, Soothers, Tooth Brushes and all Articles of Toilet.

Cellophane can be had in sheets, all sizes and colours; also in the shape of **Bags, Discs, Envelopes** printed or not, allowing the contents to be seen by transparency.

Cellophane wrapped goods **look better—keep better—sell better.**

Cellophane **protects, beautifies, and adds** the quality touch.

Prices, Samples and Particulars from

The CELLOPHANE COMPANY LTD.
7, 8 and 9 Bird Street, LONDON, W.1

Also 305-7 PRODUCE EXCHANGE, MANCHESTER.
35 MILLER STREET, GLASGOW.

BATTLES SHEEP DIPS

Specially packed for the Chemists' Trade.

POWDER, PASTE & LIQUIDS (Poisonous and Non-Poisonous), **WEED KILLERS, WORM KILLERS, LAWN SAND, DISINFECTANTS, SUPERFINE LYSOL, WARBLE SMEAR.** *Let us quote you for your requirements.*
BATTLE, HAYWARD & BOWER, Victoria Chemical Works, LINCOLN.

KILLING for PROFIT

8 oz. size 2/-
16/9 per dozen

16 oz. size 3/-
25/6 per dozen

Lithographed Handsprayers 2/6 each
Guaranteed 21/- per dozen.

There are good profits for you in the war on flies and other insect pests—if you sell REX—the quickest, cleanest and surest killer on the market. British. Guaranteed to kill and better than all imitations.

Send your order TO-DAY to secure arresting FREE 6 COLOUR WINDOW DISPLAY.

REX

LIQUID INSECT KILLER

TIBO PRODUCTS (INTERNATIONAL), LTD.,
Audrey House, Ely Place E.C.1.

CHEMISTS' FITTINGS. OF EVERY DESCRIPTION. NEW AND SECONDHAND.

F. MAUND & E. BERG (SHOWCASES) LTD.,
175/9 and 336 OLD STREET, LONDON, E.C.1

VETERINARY COUNTER PRACTICE. Price 7s. 6d. net.
by post 8s.

DISEASES AND REMEDIES. Price 5s., by post 5s. 3d.

THE PHOTOGRAPHIC CHEMIST. Price 3s. 6d., by post 3s. 8d.

THE "CHEMIST AND DRUGGIST," 28 Essex Street, W.C.2

"DOGGIE on the DOLE"

A prominent chemist in Stratford-on-Avon, writes:—"15th March, 1930. You will be pleased to know that two farmers in particular gave their premises such a thorough dressing with RODINE in the Autumn that no rats have been seen since. In previous years I have been in great demand with my dog when ricks were being thrashed. This year I went once and had a blank day. The result is our dog (a wire-haired terrier) is out of work and will have to go on the 'dole.' Joking apart, rats are scarce. Customers know RODINE and use it promptly."

RODINE CLEARS OUT THE RATS

The Poison that punishes the Rats.

That pensions off the Dogs and Cats.

With profit To the Customer and the Chemist.

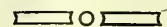
SOLE MAKER:—

T. HARLEY
M.P.S.
Rodine Works,
PERTH,
SCOTLAND.



"Print More Sell More"

To no other field of activity does this Printer's Slogan apply with greater force than to Chemists' Printing



CARTONS : LABELS : ENVELOPES

Kinross

Broughton Market, EDINBURGH

EUREKA FLY



SPRAY

**KILLS FLIES,
MOSQUITOES,
ETC.**

*Leaves no nasty smell
Does not stain*

RETAIL 1/6 & 2/9

Write for generous trade
terms and show-matter

**TOMLINSON &
HAYWARD, LTD.**

Mfg. Chemists

LINCOLN

**THEY catch flies
YOU catch profits**

with



- THE WORLD'S BEST FLY-CATCHER

The Wasp Flyband way is the
quickest, surest and most hygienic
way of destroying flies. Every
customer satisfied. Stock always
fresh and saleable. Profits good and
brisk. Order your supplies NOW.

Manufactured by
F. W. HAMPSHIRE & CO. (1927), LTD.,
SUNNYDALE WORKS - DERBY.



This BEAUTIFUL SHOWCARD ...

**will attract every dog owner
to your window**

A painting by Arthur Wardle has been
reproduced in full colours on a bevelled
Showcard, measuring 10" x 8"
Every third person who passes your Pharmacy
is a dog owner and will willingly give
some attention to this picture

BOB MARTIN'S TASTELESS CONDITION POWDERS

A complete range of Bob Martin dog preparations
can be had for

18/4

The retail price of this parcel is £1 7s.—and the
display material sent with it includes the Show-
card, dummy display outers and counter slips.

The contents of the

DISPLAY 18/4 PARCEL are:

2 doz. 6d. Bob Martin's Tasteless Condition Powders			
1 doz. Small Strength	1/10½		
1 " Medium	3/9		
1 " Large	1/10½		
1 doz. 6d. Distemper Powders	...	7	6
" 6d. Worm Powders	...	1	1½
" 6d. Worm Tablets	...	1	1½
" 1/- '92 Ointment	...	2	3
" 6d. Cleansfur	...	1	1½
" 6d. Chalk Blocks	...	2	3
" 6d. Antiseptic Dog Soap	...	1	1½

Carriage paid in the United-Kingdom ... **18 4**

BOB MARTIN LTD.

Dog Medicine Manufacturers since 1892

SOUTHPORT Lancs.



LIQUID PARAFFIN

Sterns B.P.
is guaranteed to be the finest quality of Liquid Paraffin produced. It has the patronage of the largest wholesalers, the recommendation of the Medical profession, and is used in the principal Hospitals in preference to all other kinds.

STERN'S
LTD.,
80 Royal London House, 1
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E.C.2.

NEW PATENT
Blutergess Sifting Machine
ASK FOR PARTICULARS

SIEVES WIRE GAUZES

STEVENS & MANNING
68 SUMNER STREET, LONDON, S.E.1
(Southwark Bridge)
HOP 3536 USIEVEIT—Boro—London

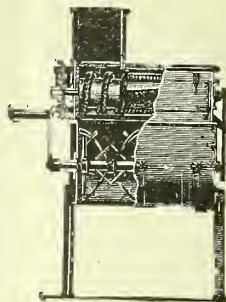
We stock **DECORATED TINS** for :—

Ointments -
Brilliantine
Health Salts

Kindly write for free samples and prices.

THE CALDICOT TIN STAMPING WORKS LTD.
CALDICOT, Nr. CHEPSTOW, Mon.

perfect blending



Gardner's "Rapid" Sifter and Mixer gives a perfect blend. The special Internal Agitator ensures accurate sifting and mixing of materials, irrespective of the diversity of their proportions; if necessary, $\frac{1}{2}$ oz. can be perfectly blended with hundredweights.

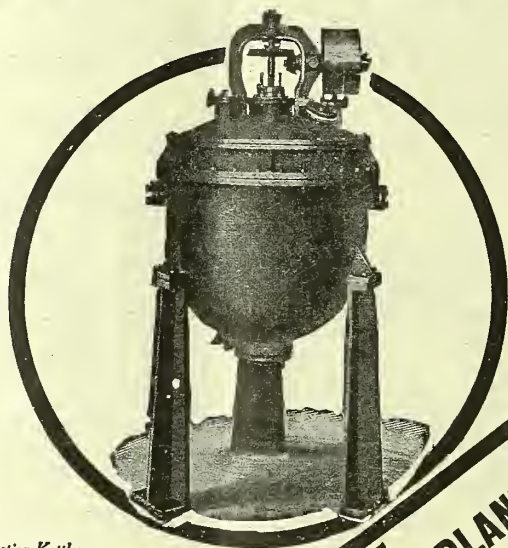
Write us for list of
Ball Mills, Disintegrators,
Millstones and
Mills, Drum Sieves,
Drying Machinery, etc.

GARDNERS Patent "RAPID" SIFTER & MIXER

Wm. GARDNER & Sons (Gloucester) Ltd.
Bristol Road - - - Gloucester

Tel. Gloucester 2288 (2 lines).

Grams: Gardner, Gloucester.



Reaction Kettles,
Distilling Apparatus,
Evaporators,
Jacketed Kettles,
Jacketed Tilting Kettles,
Enamelled Tanks,
Enamelled Containers.

**ACID PROOF
ENAMELLED CHEMICAL PLANT**
DANTO-ROGEAT & CO., LYONS, France
45 Great Marlborough
Street, London, W.1
Telephone: Regent, 2460.
Telegrams: Onatogoch, London.

Write for particulars to
H. SLOOG,

**Would cheap, reliable
delivery assist
your business?**

*If so, read this
experience
of the*

**RALEIGH
CARRIER CYCLE**

148 Northumberland St.,
Newcastle-on-Tyne

"It is now about 2½ years
since we bought several Raleigh
Carrier Cycles, and we feel it
is only due to you to express
our entire satisfaction with them.
They have had, of course, rough
usage, but have stood up to their
job well."

(Signed)
BOOKLESS & CO.



SPECIFICATION

FRAMES. 22 in. and 24 in. Low bottom bracket
NAME PLATE. As illustrated, 30 letters each
side free.

TYRES. Dunlop Clipper Carrier.

SADDLE. Brooks' P205.

FORK. Specially strengthened with girder
supports.

CARRIER. Tubular, built to frame, 18 in. ×
12 in. 20 in. × 14 in. carrier can be
supplied at an extra charge of 3/6. Flat-
platform Carrier, 18 in. × 12 in., complete
with straps, but without basket, optional.

MUDGUARDS. Wide section with double
detachable stays.

FINISH. Plain black "All-weather."

Complete with basket, as illustrated,
without lid or handle.

Basket supplied with lid and/or handle at a small
extra cost.

**£9 10s. cash
or by easy payments**

Send for full particulars and address of nearest agent.

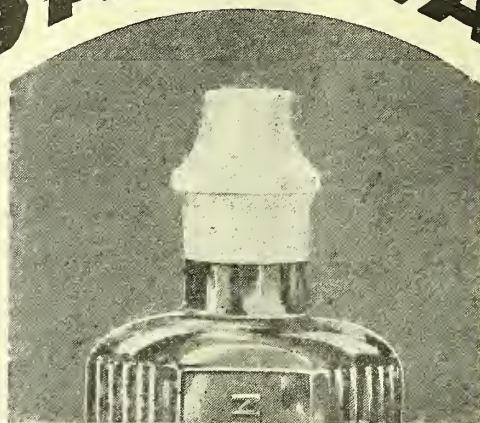
THE RALEIGH CYCLE CO. LD., NOTTINGHAM.

DRY BOTTLE CAPS

Superfine
Self-sealing
Distinctive

All sizes and
colours, Clear
& Opaque

“ADAPTOCAPS”



An unrivalled
British Product

Special low rates
for large contracts

The London Capsule Co., Empire Works, Mitcham Road, CROYDON

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GLASS BOTTLES and JARS
OF EVERY DESCRIPTION

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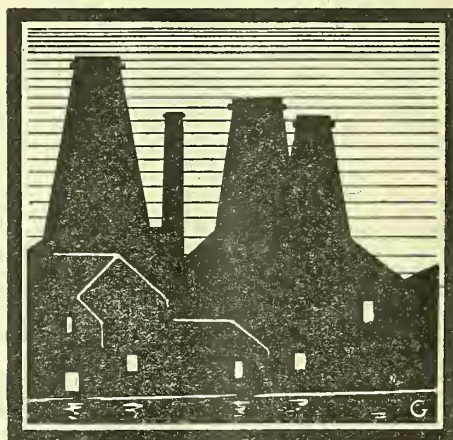
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ENGLAND

THE CHEMIST AND DRUGGIST SUPPLEMENT

28 ESSEX ST.
LONDON, W.C.2

JUNE 7, 1931

This Supplement is inserted in every copy of The Chemist & Druggist.

THE CHEMIST AND DRUGGIST SUPPLEMENT

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1.—LONDON, W.C.—General Retail and Dispensing Business, with Kodak Agency; returns last year exceeded £3,000; present rate £65 weekly; gross profit 40 per cent.; double-fronted shop, well fitted in mahogany and fully stocked; rent £200; lease 18 years; terms, valuation of stock and fixtures, plus an agreed sum for goodwill, about £2,000 in all; this is a genuine business and worth attention.

2.—HERTS (Few Miles Out).—Family Retail and Dispensing Business, with small amount of N.H.I.; returns approach £2,000 per annum, with net profit exceeding £600; estimated value of stock and fixtures £800; living accommodation; rent £75, rising to £100; held on lease; price to be arranged.

3.—LONDON, E. (Main Road).—Old-established Cash Retail and Dispensing Business, with Kodak Agency and N.H.I.; situate in busy main road; returns about £4,500 per annum; large double-fronted shop, well fitted and stocked; flat over; long lease; quick sale essential.

4.—NORTH-WEST SUBURB.—General Retail and Dispensing Business, with Kodak Agency; returns exceed £2,000 per annum, with gross profit approaching £700; attractive shop; stock and fixtures worth about £650; comfortable residence; held on lease; price about £900; for immediate disposal owing to death of owner.

5.—MIDDLESEX (Growing Suburb).—General Retail Business, with Kodak Agency; established by vendor about seven years ago; returns, 1929, £1,470; double-fronted shop, in main road, very well fitted and stocked; convenient living accommodation, recently redecorated; net rent £85; held on lease; price to be arranged.

6.—KENT (Suburban).—Working-class Retail and Dispensing Business recently established; returns between £26 and £50 weekly, with scope for increase; double-fronted shop; stock and fixtures worth about £500; vendor owns the property and will sell same for £1,900, £1,450 of which can remain on mortgage; price for business, value of stock and fixtures.

7.—SOUTHERN CATHEDRAL CITY.—General Retail Business; returns last year £2,634, with net profit £711; double-fronted shop; main road; very well fitted; stock worth £1,050; valuable lease; terms, one year's net profit plus value of stock and fittings; owner retiring.

Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account by which means alone Profit, the Value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes confusion and loss.

8.—KENT COAST.—General Retail and Dispensing Business, with Kodak Agency; returns £3,800 per annum (£800 from Optical); double-fronted corner shop, fitted in mahogany and well stocked; rent £80 per annum; private house available if required; vendor will sell the Chemist's business apart from Optical if so desired; our client is desirous of selling forthwith and will meet a purchaser reasonably; further details on application.

9.—SOUTHERN HEALTH RESORT.—Good-class Retail and Dispensing Business; established many years; returns exceed £2,850, with gross profit approximately £1,200; double-fronted shop, well fitted and stocked; extremely good house, which can be sub-let to cover the whole of rent if so desired; long lease; price to be arranged; this business offers scope for increase under more modern management.

10.—DORSET COAST.—Cash Retail and Dispensing Business, returns last year £3,255, with net profit £940; large double-fronted shop with five windows; well fitted and stocked; eleven-roomed house, with greenhouse and private entrance; rent £250; new lease; price £3,000.

11.—HOME COUNTY.—Good-class Family Business, with Kodak Agency; very old-established; returns, present rate, exceed £3,000 per annum; net profit last year £625; well-fitted shop; good saleable stock; large house; private entrance; in connection with the business there is freehold property producing £130 per annum rental; further details on application.

12.—HAMPSHIRE (New Estate).—Newly-established Business; returns from £12 to £21 weekly, with scope for increase; good living accommodation; new lease will be granted at £120 per annum or the property may be purchased; price of business about £450.

13.—WARWICKSHIRE.—Three Businesses for Disposal; returns last year £2,439, £2,371 and £1,335 respectively, plus £1,363 from D. & P.; vendor will sell separately if desired; further details on application.

14.—NORTH COUNTRY.—Unopposed Mixed Country Business, with N.H.I.; returns approach £40 weekly; average net profit £500 per annum; good living accommodation; outhouses and garden; vendor owns the property and wishes to sell same; price required for business £900.

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The following businesses have been investigated and fullest particulars can be given on application to 3 St. Paul's Close, Walsall, Tel. 3774, or 34 Marksbury Avenue, Richmond. Tel. 2210 Richmond.

1.—London, E.—Death vacancy. Unopposed position in rapidly growing district. N.H.I., Photo, and good prescribing. Present returns £20 per week, capable of quick increase under working pharmacist. Good house in excellent repair. Price £850.

2.—London, E.—Good position in thickly populated district, doing £30 per week, plus 450 N.H.I. per month. Kodak, Ucal, and prescribing. No near opposition. Lock-up, with back parlour. Rent 25s. per week. Live chemist could increase. Price £650.

3.—London, E.—Main road position, new double-fronted shop, doing £1,560 per annum, under management. Good house in first-class condition. 21 years' lease. Rent £130. Photo, Optics, Ucal. Could be developed by energetic pharmacist. Price £1,250.

4.—London, S.E.—Death vacancy. Opportunity occurs to acquire old-established Family and Dispensing business, with living accommodation. Present turnover about £2,000. N.H.I., Photo, Ucal. Price £1,500.

5.—Devonshire Health Resort.—Thickly populated and growing suburb. Turnover £1,400, Net Profit £370. N.H.I. and private Dispensing. Good D. & P. Summer takings average £23, Winter £30 to £65. Stock and Fittings estimated £500. Rent £40, rising to £50. Optional Lease of 7, 14, to 21 years. Lock-up Shop, House available if required. £850.

6.—Good Dispensing Business in North West London, doing £3,000 to £3,500. Heavy Saleable Stock, well fitted, Profits round £750. Part purchase money could remain by arrangement. £4,500.

7.—Herts.—Country business. Turnover £2,100. No opposition, Lock-up Shop, Rent £1 weekly. Stock and Fittings estimated £850. Ingoing £1,100.

8.—Midlands.—Rent and Rates £1 weekly. Working-class business doing about £23 weekly, with fair N.H.I., Stock and Fixtures estimated £500. Ingoing £550 or offer. Owner has bought larger business.

9.—Staffordshire.—Death vacancy. Working-class district, Kodak Agency and N.H.I. Turnover £500, but can be doubled with enterprise and attention. Good living accommodation. Suit newly qualified man with small capital. £185 for quick Sale.

10.—Irish Holiday Resort.—Well established business, turnover about £1,700, including Dentistry. Owner retiring and willing to sell business and property, the actual value being represented by the figures stated. Splendid opportunity for Chemist with dual qualification.

11.—Hants.—Holiday Resort. Good business doing £1,400 in shopping district. Net profit over £300. Lease at £90, plus rates; lock-up. Price for Goodwill £300. Stock and Fixtures at valuation.

12.—Derbyshire.—Old-established business with Wine Licence, N.H.I., doing £35 to £40 weekly. House attached. Lease at £65 per annum. Proprietor retiring. Fittings and Stock valued at £1,000. Will sell at £1,250, or on the basis of £300 for Goodwill, and Stock and Fixtures at valuation.

13.—Worcestershire.—Small business with scope for qualified man, at present doing £10 weekly, but can be doubled very soon. 21 years' lease at 10s. 6d. per week, with sub-let of 5s. per week to doctor. Owner selling on account of other commitments. Handsome front, well-fitted shop. £250 required for ingoing.

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BUSINESSES FOR DISPOSAL

1.—LONDON, S.W.—For immediate disposal, very old-established Chemist's Business; double-fronted lock-up shop and basement; held on lease 14 years, to run at rental of £100 per annum; Dental Surgery at rear let off at £60 per annum; returns average £50 per week; stock approximately £1,000; price for quick sale £1,650 all at. (39)

2.—LONDON, N.7.—Old-established Optical Business, combining recently established Pharmacy, held on lease with 14 years to run at a rental of £250 p.a., of which £135 is let on lease; returns £28 per week; very large shop, dispensary and sight-testing room, situate in busy main road; no opposition for some distance. Further particulars on application. (42)

3.—LEEDS.—Old-established Business for quick disposal, situate in busy main thoroughfare; returns average £30 per week; property for sale, consisting of 2 houses and one shop; one house sub-let at 10s. 6d. per week; price for property £950; price for business £550, all at. Further particulars on application. (37)

4.—LIVERPOOL.—General Retail Business, with N.H.I.; established many years; turnover for year ended March 31 £1,340, plus N.H.I. £580; with capable supervision this could be considerably increased; tenancy yearly at rental of £75 per annum, plus rates; price asked £500, plus stock at valuation (approximately £475). (40)

5.—LONDON, S.W.—Recently-established Retail Dispensing Business premises on 15 years' lease at £150 per annum, of which part is sub-let at £104 per annum; returns 1929, £1,932, all cash; Kodak and U.C.A.L. Agencies; price for quick sale £1,100 all at, or £750, plus s.a.v. (approximately £425). (41)

6.—LINCS.—Established Dispensing and Retail Business for quick Disposal in important town; 17½ years' lease to run at £200 per annum; returns average £50 per week; very large shop, situate in main thoroughfare; specially recommended.

7.—SURREY.—Good-class, well-established Family Retail Dispensing Business, with Kodak Agency; situate in high-class residential suburb, premises consisting of corner shop with excellent dwelling accommodation; held on lease 14 years at £150 per annum; shop well fitted and up-to-date high-class stock carried; returns average £40 per week; price for quick sale £2,000, or £500 lease and goodwill, plus stock and fixtures at valuation. (36)

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1.—BOURNEMOUTH.—Good Light Retail Dispensing and Photographic Business, in fast growing residential district; plenty of scope; net profit averages £500; modern pharmacy, with house; owner retiring; price £1,500, or offer.

2.—EAST YORKS.—Old-established Light Cash Retail, in busy town; returns about £2,150; audited accounts; low rent; good house and shop; same hands many years; price £850; little more than valuation.

3.—HAMPSHIRE (Market Town).—Good-class Family Retail and Dispensing Business; returns average £1,830; audited accounts; modern pharmacy; good position; fully stocked; price £1,400.

4.—SOUTH COAST.—Good-class Retail Dispensing and Photographic, in main shopping street, close to sea; returns under manager £2,000; good profits; large shop, modern fitted and fully stocked; price £1,500.

5.—ESSEX COAST.—Unopposed Light Retail, with Kodak Agency; returns £700; qualified Chemist could do £1,000; low rent; good house, garden and garage; large shop; well stocked; price £400.

6.—CHESHIRE.—Unopposed Light Country Retail, returning about £1,000; good profits; plenty of scope; good house attached; every convenience; illness sole cause of sale; price, with freehold, £1,050.

7.—NORFOLK.—Unopposed Mixed Village Business, returning last year £1,059; sole cause of sale health reasons; good eight-roomed house, garage and over quarter-acre of fruit and flower garden; stock and fixtures worth £500; price £600.

8.—ESSEX (Few Miles Out).—Profitable Light Retail and Prescribing Business, in growing district, unopposed; returns £16 weekly, under elderly manager; will do much more; good house, garden and garage; stock and fixtures worth £500; price £650.

9.—GOLDERS GREEN.—Good-class Family Retail and Dispensing; returns about £2,000, under manager; good profits; handsome pharmacy, with flat over; long lease; offers invited; must be sold.

10.—LONDON, S.E.—Sound Cash Retail, with Kodak Agency and N.H.I.; returns £1,550; net profit £480; audited accounts; house attached; low rent; long lease; fully stocked; price £1,150.

11.—HACKNEY.—Profitable Light Cash Retail, with N.H.I. and Photo; present returns £1,500; good profits; large shop; good position; well stocked; price £850; trial allowed.

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Others, Cheshire, Blackpool, S. Yorks, Norfolk, Peak District
and S. Wales.

* Valuations by fully qualified staff. (Tel.: Failsworth 113.)

BUSINESSES FOR DISPOSAL.

BIRMINGHAM.—Established Pharmacy; main road; good living accommodation; rent £57 per annum; takings average last 3 years £25 per week; stock and fixtures, recent valuation, £1,054; accept £700 for quick sale. 137/31, Office of this Paper.

BOURNEMOUTH.—Genuine old-established Chemist's Business; main road; near station; turnover £1,600 per annum; only £250, stock at valuation. Rumsey & Rumsey, Estate Agents, Bournemouth.

BOURNEMOUTH.—Light Retail and Dispensing Business for disposal; turnover £1,600; profits good; rent of good house and shop £110; lease; stock and fixtures approximately £1,000; now is the time for season trade and best 3 months of the year; price, lease and goodwill against net profit, and stock and fixtures at valuation, or near cash offer. "Troch," 138/7, Office of this Paper.

DERBYSHIRE.—A genuine offer owing to illness, a good-class Country Business for Sale; opened 18 months ago; returns for first 12 months £700, including 1,500 N.H.I.; Kodak Agency; large scope for Optics; rent £30; held on 14 years' lease; stock and fixtures at valuation, plus goodwill. What offers? 136/24, Office of this Paper.

DERBYSHIRE.—General Retail, with Kodak Agency; average returns £3,100 per annum; net profit £800; yearly tenancy at moderate rental; good position; easily worked; opening for Optics and N.H.I.; good price required for a sound business. Inquiries from bona-fide applicants only. 136/33, Office of this Paper.

HAMPSTEAD.—General Retail and Dispensing; returns over £2,000 per annum; fine shop; well fitted; excellent stock; good living accommodation; long lease; price £900; exceptional opportunity. Prestons, Valuers, 29 Ludgate Hill, E.C.4.

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HOMER COUNTY (near London).—Genuine Family and Light Retail, with Kodak Agency; nicely fitted double-fronted shop with living accommodation; long lease at £85; low rates and taxes; turnover approximately £40 per week; increase certain with personal attention; splendid scope for Optics; inquirers please give banker's reference. "Pharmacy," "Devonia," Wellington Road, Ealing, W.5.

IPSWICH.—Old-established Chemist's and Oil and Colourman's Business for Sale by executors, either with freehold property or vendors will grant lease; thickly populated district and capable of development. Further particulars on application to Turner, Martin & Symes, Solicitors, 4 and 6 Elm Street, Ipswich.

KENSINGTON.—Good-class Drug and Stationery Store, taking £2,000; could be doubled with added Dispensing and Photographic counter; no possible opposition; £2,200, plus s.a.v., or would consider young, energetic Partner with full qualifications and capital to invest. Kempson's, 59/60 Chancery Lane, W.C.1.

LONDON, N.—Seven Sisters Road; main road; busy centre; established 50 years; present hands 28 years; average turnover £2,000; net profit £500, incorporated accountant's figures; freehold property; must be sold; 6-room house in good repair; suit multiple store; £4,000 required. Further details, 136/37, Office of this Paper.

LONDON, S.W.—£780. Good-class residential Business; established 50 years; returns £1,150; Prescribing; Kodak; scope Optics; well fitted and stocked; shop, large room rear, and cellar; rent £1 weekly, inclusive (living accommodation if necessary); £780 cash, or valuation, for 17 years' lease, stock, fixtures and goodwill; bankers' references; owner going abroad. 137/2, Office of this Paper.

LONDON, S.E.—General Retail and Dispensing Business for Sale; Kodak Agency; good Photographic connection; N.H.I. about 3,500 per annum; returns last year £1,640, increasing; good stock and fairly well fitted; rent covered by sub-let; price for quick sale £925; part could remain. 138/11, Office of this Paper.

SOUTH COAST.—High-class Pharmacy in important seaside town; 18 years' lease; Optical Department; Kodak Agency; turnover £3,000 yearly under indifferent management; net profit £800, and immense scope for increase by active managing owner; stock and fittings at valuation, goodwill price; best offer; present owner retiring from business (age limit). 134/32, Office of this Paper.

SOUTH (thriving country town).—Main road Business; corner premises; well fitted and stocked; returns about £1,500; long lease; low rent; excellent Kodak and Cine Agency; own B. & P. plant; splendid prospects and opportunity for increase; owner suffering from T.B. Must sell; valuation terms, plus one year's net profit, about £900 in all. 136/19, Office of this Paper.

SOUTH WALES (main line town, non-industrial, near seaside).
S—Double-fronted lock-up Shop, fitted up-to-date with every convenience; fully stocked; takings over £35 weekly; accountant's figures. 131/40, Office of this Paper.

BRANCH Business for Sale, lock-up double-fronted shop, country village, 11 miles Birmingham; wants personal supervision and attention; scope for Optics, etc.; doctor's surgery attached; no opposition; 21 years' lease; low rental (no rates); cheap for quick sale; total ingoing about £250. 137/1, Office of this Paper.

DRUG STORE, recently opened, taking £5; rent 8s.; population 4,000; nearest chemist 3 miles; price £75 all at; Midlands. 138/40, Office of this Paper.

FOR SALE, Southend, near sea, Chemist's Business; takings about £2,000 per annum; no opposition; low rent; trial given; no reasonable offer refused. 172/130, Office of this Paper.

GENUINE.—Small but profitable Business for disposal in industrial locality in Sheffield district; good N.H.I.; has been neglected, and could be much improved; satisfactory reasons for disposal; would suit one with very small capital, as part purchase price could remain; would suit beginner or elderly gentleman, qualified or unqualified. 137/34, Office of this Paper.

IN growing, suburb of central agricultural town, old-established Business (about 50 years), comprising Pharmacy and Drug Stores in two shops; gross returns audited financial year, under management, £2,087; energetic personal attention could increase; N.H.I. average 500 scripts month; long lease both premises; comfortable dwelling, bath, etc.; accept £1,500 inclusive, or less for cash deal. 172/122, Office of this Paper.

PHARMACY for Sale; good house; main road; excellent position for N.H.I.; takings good; lease, 14 years unexpired; can be renewed; rent £55 per annum; rates £32 per annum; upper part let at £1 8s. 6d. per week; vacant if required; ingoing, fixtures and fittings, not required, £1,395; s.a.v. 127/38, Office of this Paper.

PLEASURE RESORT (Essex Coast).—Good-class Business in growing district; Kodak Agency; handsomely-fitted shop; returns average £1,250; stock and fittings worth £600; new lease at £120 per annum; good scope for Optics; 6-roomed modern house with garden; price £800; owner retiring. 137/33, Office of this Paper.

£125, ALL AT.—Drug Store, good corner position, on main road; lock-up and one room; agreement; rent £6 10s. per month; average returns between £8 and £9 weekly; immediate disposal owing to owner's ill-health. "K," 50 Marlow Road, East Ham, E.6.

£500, RECENTLY valued; good stock and fittings; London, N.; takings over £20 weekly during present quiet period (lady managing); rent and rates £3 weekly; large shop; 3 rooms above (including one kitchen, bathroom); main road; capable of increase; Kodak; genuine reason disposal; £600 for quick sale. 138/19, Office of this Paper.

BUSINESSES WANTED.

ADVERTISER, qualified, seeks small good-class Business in country town; South preferred. "H," 32 Knighton Road, Leicester.

CHEMIST requires established Business; net profit £250 to £400 essential; good bonse and large garden in nice locality; business must bear strict investigation; purchase of property if suitable would be considered; all letters will be replied to. Full particulars (in confidence) to 136/4, Office of this Paper.

DRUG Store or small Business wanted; Manchester or near; neglected not objected to, with scope for development. 172/129, Office of this Paper.

LONDON.—Genuine Chemist's Business required; main road preferred; scope for increase; present turnover £1,400-£2,000. Full particulars in strict confidence. "Statin," 136/39, Office of this Paper.

WANTED, small or medium Business. Apply S. Evans, 11 Hawthorn Way, Cambridge.

PREMISES FOR SALE.

READING, BERKS.—No opposition in street; magnificent position adjoining centre of town; imposing Shop Premises, well suited for Chemist and associated trades; freehold, £8,500. Apply H. F. Dunster, 2 King's Road, Reading.

PREMISES TO LET.

THE terrace of Freehold Shops situated in a most central and important position at the junction of Boston Road and Uxbridge Road, Hanwell, W.7, is almost completed, and shops are now available for renting or purchase. Particulars from the building owners, R.C.H., Ltd., 2 Robert Street, Adelphi, London, W.C.2.

TO DENTISTS.—London, E. Rooms suitable for Dentist over old-established Chemist's shop; all fitted up with chair, engine, etc.; no opposition; large Panel could be developed; rent £60 per annum, inclusive. Apply 138/280, Office of this Paper.

AGENCIES.

AGENT, calling on Perfumery Departments, Chemists and Hairdressers, to carry good side line on commission; retail only; give ground covered. 136/20, Office of this Paper.

AN Office Address with services in Paris for £5 a year; letters forwarded, representation, and all reasonable commissions undertaken; few vacancies only. Write Box 677, Smitbs' Agency, Ltd., 100 Fleet Street, London, E.C.4.

BUYING Agents wanted for high-class Perfumery, Wax Perfumes and Beauty Preparations manufactured by well-known French firm. Applications are invited from responsible firms, to whom favourable contract is offered. Please write for particulars to H. E. Cortés & Son, 47/48 Berners Street, London, W.1.

IMPORTERS of Pharmaceutical Specialities and Proprietary Medicines, established 7 years, with connections in the domestic trade, want offers from a few first-class English or Continental firms desirous of developing their businesses; English and Spanish correspondence; exclusive territory; bankers' references. Isaias G. Lopez & Co., Box 899, Bogota, Colombia, South America.

SCOTLAND.—Representative required for North of Scotland to carry three easily carried articles of interest to Chemists, well backed by advertising; representatives would work on a commission basis, and would obtain full benefit from repeat trade. Apply 172/124, Office of this Paper.

LEGAL NOTICE.

IN THE MATTER OF JOHN MORGAN
 RICHARDS & SONS LIMITED.
 (In Voluntary Liquidation.)

NOTICE is hereby given that the Creditors of the above named Company, which is being voluntarily wound up, are required on or before the 12th day of July 1930 being the day for that purpose fixed by Sir Gilbert Garnsey of 3, Frederick's Place Old Jewry, E.C.2, the Liquidator of the said Company to send their names and addresses and the particulars of their debts or claims and the names and addresses of their Solicitors, if any, to the undersigned and, if so required by notice in writing from the said Liquidator, are by their Solicitors to come in and prove their said debts or claims at such time and place as shall be specified in such notice, or in default thereof they will be excluded from the benefit of any distribution made before such debts are proved.

Dated this 29th day of May, 1930.

HERBERT SMITH & CO.,
 62 London Wall, London, E.C.2.
 Solicitors to the above-named Liquidator.

TENDERS INVITED.

COUNTY BOROUGH OF BARNSELY.
 SUPPLY OF DRUGS TO MUNICIPAL INSTITUTIONS.

THE Council are prepared to receive Tenders and enter into Contracts for the supply of Drugs required for the various Institutions under their control.

A list of such Drugs can be obtained on application at my Office.

The Council reserve to themselves the right of accepting the whole or any less number of articles specified in such list, and do not bind themselves to accept the lowest or any tender.

Tenders, marked "Tender for Drugs," must reach me on or before the 16th June, 1930.

A. D. MASON,
 Town Clerk.

Town Clerk's Office, Barnsley.
 31st May, 1930.

SITUATIONS OPEN.

RETAIL (HOME).

BIRMINGHAM.—Qualified Assistant for relief, with view to management; must be good Salesman, competent Window-dresser, and possess knowledge of Photography. Apply, with full particulars, to Managing Director, Hedges (Chemists), Ltd., 10/12 Dale End, Birmingham.

LINCOLNSHIRE SEASIDE RESORT.—Junior Assistant wanted till middle of September, with knowledge of Photography. State age, height, salary (outdoors), when disengaged, names last employers. Letters not answered in 3 days respectfully declined. 139/37, Office of this Paper.

LONDON, S.W.—Qualified Branch Manager for brisk middle-class, with N.H.I. and Photo experience; keen worker and reliable. Phone, or write for appointment, Riverside 0505. Venables, 211 King Street, Hammersmith.

LONDON.—Lady Assistant wanted immediately for N.H.I. and Counter work; must be experienced; good worker; good references essential; usual duties. Apply, in person, Houseman, Chemist, 65 New North Road, N.1. (5 minutes from Moorgate tram terminus.)

LONDON, N.—Qualified Assistant, lady or gentleman, for middle-class business. Apply, with full particulars of experience, also stating age, height, photo if possible, salary required, and when at liberty. 138/32, Office of this Paper.

LONDON, E.—Wanted, at once, young, energetic, qualified Manager for branch; working-class district. State salary, references, etc., to 138/28, Office of this Paper.

LONDON, S.E.—Unqualified Assistant wanted for few weeks from Whitun. Give full particulars in first letter. Apply 139/38, Office of this Paper.

NOTTINGHAM.—Junior Assistant wanted; must be quick, accurate and well trained. Give age, experience, and salary required to W. Meakin, Chemist, Sherwood, Nottingham.

SHEFFIELD.—At once, unqualified Assistant, with N.H.I. Counter and Photographic experience. Usual particulars and references. G. Squire, Ltd., Haymarket, Sheffield.

SOMERSET.—Qualified Lady required from now until end of September; chiefly for Dispensing and Counter. Please state age, height and salary required. King, Chemist, Wells, Som.

SUFFOLK SEASIDE RESORT.—Young Junior Assistant wanted till October, with knowledge of Photography. State age, height, salary (indoors or outdoors), when disengaged, names last employers. Letters not answered in three days respectfully declined. 138/38, Office of this Paper.

SUFFOLK.—Qualified Manager required for newly-fitted seaside Family business; salary, bonus and commission, with house, offered. State age, wage, height, and when at liberty. 172/133, Office of this Paper.

WOLVERHAMPTON.—Qualified Chemist required for managing a good-class business; applicants must be smart and energetic and keen to make headway; previous experience of a similar nature an advantage; only applicants of the stated type need apply; a splendid opportunity. Full details to 136/233, Office of this Paper.

ASSISTANT.—Junior, used to N.H.I. Dispensing and quick Retail. State age, height, salary required, enclose references, and photo (to be returned). Rowlands, Hesse Road, Hnll.

ASSISTANT.—unqualified gentleman, for good-class business, pleasant locality 10 miles London; two of staff leaving September to enter college; permanency to right man certain; applicant must be of refined manner, speech, education, and used to good-class business, of smart appearance, and not less than average height; competent Dispenser, Counterman and Window-dresser; interview required, fares paid one way; send no stamps; brief particulars of little help. 136/35, Office of this Paper.

ASSISTANT wanted, lady or gentleman; Minor qualification necessary; understand Dispensing and Photography; young and energetic; good references essential; at once. Full particulars, salary required, etc., in first letter. Ullett, 198 Rye Lane, London, S.E.15.

AT once, qualified Assistant; good-class Dispensing and Counter; capable and of good address. State salary required and particulars to C. Wooltons, M.P.S., 33 Promenade, Hendon, N.W.4. 'Phone: Hendon 1766.

CAPABLE Junior (male) required; accurate Dispenser; age 21-24; commencing salary £2 10s. Gray, Chemist, Barnes, S.W.13.

COPPEN BROS. require a Locum (fully qualified) for their Richmond (Surrey) branch, two weeks, commencing August 25 to September 6; no Sunday work. Apply personally or by letter, Coppen Bros., 12½ Carey Street, Vincent Square, Westminster, S.W.1.

JUNIOR required for Chemists' business; must be quick and accurate and one who takes his work seriously; this is a splendid opportunity for the right person. Full particulars of age, salary required, and when at liberty to 136/231, Office of this Paper.

JUNIOR Assistant or Improver wanted for good Dispensing business on July 1. Apply, stating age, salary required, previous experience, R. J. Shepherd, Chemist, Gloucester.

LADY, Junior, unqualified, for Light Retail and Dispensing, with Photography. Apply, stating age, height, experience, and salary required, with photo, to W. E. Tanner, Chemist, Chingford, London, E.4.

LADY Assistant, unqualified, for London, N.W. district; age about 27-30; must be a good Window-dresser and possessing tact and ability at the Counter; Dispensing experience an advantage, but not essential. Give full particulars of experience, age, salary required to 137/36, Office of this Paper.

LEWIS & BURROWS have a vacancy for a qualified Assistant (male) with good experience. Apply 146 Holborn Bars, London, E.C.1. If application is made by letter kindly furnish full particulars.

MANAGER (qualified) required for a branch shop in the Midlands; must be reliable to take sole charge; previous experience an asset; this is a very good position for a keen business man. Give details in full, age, experience, salary, when at liberty, etc. 136/234, Office of this Paper.

MESSRS. SAVORY & MOORE, LTD., in connection with their development scheme, are requiring shortly qualified Managers with sound experience of high-class pharmacy; good Salemanship essential. Send full particulars in letter as to age, experience, references, stating when disengaged, to E. T. Neathercoat, Savory & Moore, Ltd., 61 Welbeck Street, London, W.

QUALIFIED Manager required for a business in one of Birmingham's busy streets; a man with initiative required; must be smart in appearance and a tactful Salesman. State age and salary required, also when at liberty. 136/23, Office of this Paper.

QUALIFIED Chemist required to take the management of a Family and Dispensing business in Birmingham; applicants must be smart Window-dressers, also obliging and reliable. Details in full, please. 136/230, Office of this Paper.

QUALIFIED Locum required for high-class Dispensing Chemist from June 21 to August 26 inclusive. Apply, with references and photo, state salary, to A. Hartley, 65 Whitegate Drive, Blackpool.

QUALIFIED Junior Assistant required; one who has served his apprenticeship in a small town preferred. Apply, with usual particulars as to salary and experience, to "Pharmaceutical," c/o Messrs. John Thompson, Ltd., 27 Duke Street, Liverpool.

QUALIFIED Branch Manager required. Apply, by letter only, giving full particulars as to age, experience and wages required, to Pharmacy Manager, London Co-operative Society, Ltd., 54 Maryland Street, Stratford, E.15, marking envelope "Pharmacy."

QUALIFIED Assistant required for permanency, lady or gentleman (age no objection). Apply, stating terms, to Sanford, Chemist, 63 Maple Street, Fitzroy Square, W.1, or tel. Hampstead 0691 for appointment.

QUALIFIED Assistant, with experience of middle-class trade and N.H.I. Dispensing, required for London, E. Give full particulars of experience, names of references, age, salary required, and when disengaged. Apply (letter only) Phillips, 300 Amhurst Road, London, N.16.

QUALIFIED Assistant wanted (age about 25 to 30) for good-class Agricultural and Dispensing business with Photography; must be well recommended and reliable. Age, height, experience, salary required (outdoors), and full particulars. Gwillim, Chemist, Brecon.

QUALIFIED Assistant to act as super in small private company, Lancashire; must be a reliable Dispenser and good Window-dresser. Apply, giving usual particulars and state salary required, 138/25, Office of this Paper.

QUALIFIED Assistant required for a good-class business; must have experience, capable of taking charge for lengthened periods. Also lady Assistant; experienced; one who could assist with books and type an advantage. Apply, stating salary, to 139/2, Office of this Paper.

QUALIFIED Locum for June 23 till July 7; light duties; snit elderly gentleman. Please send particulars, salary required, etc., to "Chemist," 76 London Road, Clapton, E.5.

UNQUALIFIED Assistant (male) wanted; good Window-dresser and Dispenser; only those able to commence duties at once considered. Apply, with copies of recent references and wages required; photo if possible. Kelyack, Chemist, 144 Queen's Road, Hastings.

UNQUALIFIED Assistant required; must be good Dispenser and Salesman; West-End experience preferred. Apply, giving full particulars, to Blake, Sandford & Blake, 49 Dover Street, W.1.

WANTED, at once, for good working-class business, an Assistant with good all-round knowledge; must be adaptable, energetic and obliging. Will applicants please give full particulars with reference to experience, age, salary required, etc.? Preference given to applicants between ages 24 to 30. Letters only; interviews will be arranged. 'Phone calls or personal applications in first place not considered. Manrice Jones, M.P.S., 204 Church Road, Willesden, N.W.10.

WANTED, smart, unqualified Assistant with good London experience; permanent position. Apply, in writing, giving full particulars of experience and salary required, to Heppells, 16 Grosvenor Place, London, S.W.1.

WANTED, immediately, a capable, qualified Manager for taking charge of a business, with house attached, near Birmingham; extremely suitable for a young married man anxious to proceed in the right direction; the chosen man must be a hard worker with a real interest in his work. Give full particulars when applying. 136/232, Office of this Paper.

WANTED, competent and experienced Assistant; to mid-September; must be accustomed to brisk good-class Retail and Dispensing, with Photographics. State full details of previous experience, age, height, salary required, when disengaged, and if convenient enclose photo, to D. T. Evans, Ltd., Chemists and Opticians, Margate.

WANTED at once, young Junior Assistant who has been apprenticed in good-class Dispensing business. Please state references, salary, etc. Applications not answered declined with thanks. Hall & King, Chemists, Folkestone.

WANTED, capable qualified and unqualified Assistant; permanency and advancement to the right men; must understand Photography from a sales point of view; of good appearance and address. Enclose photograph and give references, state salary required, and when at liberty. 139/32, Office of this Paper.

WHOLESALE.

SCOTLAND.—Progressive and well-known London firm of Manufacturing Chemists, specialising in packed Medicinal and Toilet preparations, requires the services of a reliable Salesman; position holds plenty of scope for advancement; established connection and own car an asset. Full particulars in first instance to 137/38, Office of this Paper.

A VACANCY occurs as Representative of a firm of Manufacturers of Cotton Wool and Surgical Dressings to call on Wholesalers and Hospitals in London and 20-mile radius; good salary and commission. P.C.B. 59/33, Office of this Paper.

A S MANAGER.—Wholesale House have vacancy for Buyer to control Patent Medicine Department; must be capable organiser and Salesman, with display abilities; similar experience essential. Apply, with full particulars, to P.C.B. 59/36, Office of this Paper.

D RY Counter Hand wanted for Wholesale Druggists in North London. Apply, by letter, stating full particulars and experience, 172/125, Office of this Paper.

I NVOICE Clerk (male) required by City firm of Manufacturing Chemists; must have had experience, and be well up in the work; good references required. Replies, stating age, experience and salary required, to P.C.B. 60/8, Office of this Paper.

R EPRESENTATIVE, country, wanted by London Wholesale Druggists. Reply, giving full particulars of experience, etc., to "Galen," 171/102, Office of this Paper.

R EPRESENTATIVE having established connection in the South-Western Counties, required by reputable House of good standing, existing business capable of considerable development; suitable for man who requires a really good second line on commission. Apply, with full particulars, in confidence, 172/131, Office of this Paper.

R EQUIRED by leading firm of Manufacturing Chemists, first-class Representative possessing personality, tact and energy, to consolidate and increase sound connection in South and South-West Counties amongst Chemists, Hospitals, etc.

Applicants must have previously travelled in Drugs and Packed Pharmaceuticals, and have thorough knowledge of ground.

The position offers scope for advancement. Every support will be given to a keen and loyal worker. 172/126, Office of this Paper.

T RAVELLERS wanted, calling on Chemists, Wholesale and Retail or Shipping, for a new patented article. Write, giving references, lines carried and districts covered, to 172/125, Office of this Paper.

W. A. WHARRAM (1929), LTD., Wholesale Chemists, 34 Lady Lane, Leeds, have a vacancy for a Representative to take over the districts covered for more than 30 years by their senior representative, who has died suddenly; applicants must be fully experienced in calling upon Medical Men. Address in confidence, with full particulars.

(COLONIAL, INDIAN AND FOREIGN.)

W EST AFRICA.—Required, men of good personality holding both Chemist and Optical diplomas; age 22 to 30; single; substantial salary offered for 18 months' agreement; passage paid and furnished quarters provided, also medical attendance; liberal leave granted on full pay at end of tour if services satisfactory, with re-engagement at progressive increase. Apply, giving full particulars, to 172/128, Office of this Paper.

SITUATIONS WANTED.

RETAIL (HOME).

A.A.A.—QUALIFIED Manager, 27, desires change; experienced in all branches; married; height 6 ft.; abstainer; excellent references. Laurence, 56 Mayfield Avenue, Ealing, W.13.

A.A.A.—28, qualified, married, 14 years' all-round experience, Counter, Dispensing, Photography, Window Display, desires permanency; Manager or Senior; disengaged. Dyson, 49 Stanford Road, Brighton.

A.A.—UNQUALIFIED (Part I); experienced Assistant, 22, smart appearance, requires situation. Taylor, 30 Crawford Street, Leeds.

A CAPABLE, qualified young man, 25, desires experience good-class London business; permanency; 7 years' all-round experience. London; Photographic, Windows; competent Salesman; excellent references. Edwards, 17 Oakley Square, Mornington Crescent.

A CAPABLE unqualified Assistant, age 29, desires permanency or relief; first-class seaside resort and spa experience; first-class references; at liberty June 9. "W. J.," 13 Royd Villas, Hebden Bridge, Yorks.

A COMPETENT unqualified Assistant, 23, seeks permanency in good-class business; 8½ years' all-round London experience; highly recommended; free June 16. Wornell, 8 Farnham Road, Seven Kings, Essex.

A QUALIFIED Chemist, 40, competent, experienced, good Dispenser, desires Locum or permanency; anywhere. "M.," 70 Trinity Road, Bridlington.

A QUALIFIED Scot; young; tall; good appearance and address; high-class Dispensing and Counter; London district; excellent references. 137/37, Office of this Paper.

A N experienced lady Dispenser (Hall) desires post; Doctor, Chemist or Institution; capable Book-keeper, Typist; Locum or permanency. 129/18, Office of this Paper.

A N unqualified Assistant requires two weeks' engagement, London, during September; good Dispenser, Salesman, etc. 136/6, Office of this Paper.

A S Manager; M.P.S., F.B.O.A., J.C.Q.O.; varied and successful experience; keen business man; good Salesman; undeniable references; permanency. Replies to 138/23, Office of this Paper.

A SSISTANT; experienced Dispenser, Salesman; active; accustomed to manage; single; mid-aged; unqualified. "Statim," c/o Mrs. G. Port, Station Road, Hawkhurst, Kent.

A SSISTANT, unqualified, 25, desires permanent situation; well experienced in Dispensing, Counter and Photography; energetic, willing, and smart appearance. Write BM/SSPQ, London, W.C.1.

A SSISTANT; 21; unqualified; good experience, Counter, Dispensing, Photography, Window; good appearance and address; courteous and obliging; energetic. Leigh, "Ripple-dene," Beech Grove, New Malden, Surrey.

A SSISTANT; unqualified; experienced; Locum or permanent; can manage; disengaged. "W. T. P.," 72 Tremadoc Road, Clapham, S.W.4.

A SSISTANT, unqualified, 21, accurate Dispenser, keen, competent, Counter, Window-dressing, Photography, desires situation July, August, September. Lawrence, Shenstone, near Lichfield.

A SSISTANT or Locum; Counter, Dispensing, Photography; energetic; unqualified; good references. "K.," 62 Blenheim Road, East Ham, E.6.

A SSISTANT, Windows, Counter, Dispensing, good all-round experience, wants work; Lancs preferred. "A. R.," 28 Clegg Street, Brierfield, Burnley, Lancs.

A SSISTANT; unregistered; experienced; N.H.L. Counter, Photography; Locum, part time, permanency; mid-age; London only. Write "Chihran," 138/30, Office of this Paper.

B IRMINGHAM OR DISTRICT.—Assistant, unqualified, seeks herth; permanent or temporary; 18 years' experience; married; 33 years of age; abstainer. Lucas, 121 Hockley Hill, Birmingham.

B RISTOL OR NEAR.—Qualified; elderly; good experience and references; any capacity. Rees, 29 Ashley Hill, Bristol.

D ISENGAGED.—Young lady; tall; good address; 5 years' sound experience; unqualified; Cardiff, Newport preferred, not essential. 136/26, Office of this Paper.

D ISENGAGED.—Assistant; 38; Apothecaries' Hall; 20 years' good-class Dispensing and Counter experience; Window-dresser and Photography; well recommended; energetic; capable of taking charge; excellent references; 70s. weekly (outdoors). "J. S.," 20 Worley Road, St. Albans.

D ISENGAGED; age 21; tall; first-class Counter-hand; Dispensing, Window-dressing, etc.; unqualified. "Y.," 5 Alderney Road, Mile End, E.1.

D ISENGAGED; Good Counterman, Dispenser, Window-dresser; well recommended; 12 years last situation; energetic. "Unqualified," 51 Norlington Road, Leytonstone, E.11.

D ISPENSER, qualified, 3 years with two Doctors, one year Hospital training, desires Locum work, July, August, September. Richardson, "Peveril," Albany Drive, Horne Bay.

E XPERIENCED lady Dispenser (Hall) desires post, Doctor, Chemist, Institution; Locum or permanent; capable Manager, also Nurse, Book-keeper, etc. Westbourne Lodge, Harold Road, Clacton-on-Sea.

E XPERIENCED Assistant; tall; unqualified; middle-aged; first-class Dispensing, Counter, Photo; quick, clean, accurate; business builder; disengaged; permanency. Johnstone, 48 Bushey Grove Road, Watford.

J ULY (Locum); engagement required by Pharmacist; young; first-class references; moderate terms. Davies, 1a Herbert Road, Plumstead, S.E.18.

J UNIOR; unqualified; any district; new to October; 20½; Counter, Dispensing, Light Photographic; references. Dove, 2 Crown Terrace, Scarborough.

L ADY Dispenser (Hall), experienced, requires post, Doctor or Institution; North London district preferred; good references. 136/25, Office of this Paper.

L OCUM, Chemist, waiting to buy suitable business, open for engagements; middle-age; excellent references. "Chemist," 3 Westcliffe Road, Westbrook, Margate.

L OCUM, qualified, reliable, 20 years last herth, middle-age, Photography, highly recommended, booking engagements, long or short periods; reasonable terms. "Chemist," 78 Manchester Road, Blackpool.

L OCUM; qualified; 32; single; good experience as manager and assistant. "Chemist," 50 Grove Lane, Camberwell, S.E.5. Tel.: Rodney 4449.

L OCUM; qualified; age 35; vacant now to end of June. "T. F. S.," 9D College Road, Harrow.

L OCUM; season's engagement or permanency; Midlands preferred; first-class references; age 45. "Drugs," 64 Hunters Road, Birmingham.

L OCUM; thoroughly experienced; competent; reliable; highest credentials; now disengaged; booking dates forward. "Locum," 56 Rindoe Road, Balham, S.W.12.

L OCUM; qualified; now disengaged; booking dates forward. Alec Whitehouse, "The Larches," Annesley, Notts.

L OCUM; Relief; Manager; "not registered"; 20 years' experience; Panel, Counter, Prescriber, Salesman. "Smart," 130 Scott-Ellis Gardens, N.W.8.

L OCUM; qualified; at liberty June 10 to July 19 inclusive; excellent references. "Pharmacist," 16 Blacklands Road, Catford, S.E.6.

CLEAR OUT—your Old or Damaged Stock of Photo Goods.

Why keep them any longer? Turn them into CASH.

I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.

S. E. HACKETT, 23 July Road, Liverpool

LOCUM; qualified; experienced; London or Home Counties; now free; well recommended. "J., 36 Babbacombe Road, Bromley, Kent.

MANAGER; 28; qualified; experienced every branch, including Photography; sound references; London or suburbs. P.C.B. 60/6, Office of this Paper.

MANAGER or Locum; qualified; elderly; long experience; London; disengaged. Thomas, 37 Downs Road, Clapton, E.5. Phone: Clissold 9324.

M.P.S., 29, seeks permanency; splendid all-round experience; 3 years present post (indoors); sound references; £4 weekly; interview July. "Tegid," 135/39, Office of this Paper.

M.P.S., age 24, good appearance and address, desires change; W. or S.W. London; six years' varied experience in all branches; good Dispenser and Prescriber; smart Counter-hand and Window-dresser; excellent references; free one month. 137/29, Office of this Paper.

M.P.S., 25, desires position as Manager or Assistant; all-round experience; free June 16; Sheffield district preferred, not essential. "Chemist," 394 London Road, Sheffield.

M.P.S.; anywhere; permanent or temporary; working and middle-class. "Chemist," 26 Church Street, Swadlincote, nr. Burton-on-Trent.

M.P.S. desires experience; asks a low salary to gain it; undeniable references. 138/31, Office of this Paper.

PART I, 19, desires part-time position; to be free at 6 p.m.; or with Hospital; smart appearance; good, dependable worker. C. A. Long, 17 Winchendon Road, S.W.6.

QUALIFIED; Locum, part-time or emergency; capable, honest and sober; wide experience and energetic; disengaged. "E. W. H.," 5 Pimlico Road, S.W.1.

QUALIFIED, age 25, tall, 10 years' experience, desires situation; North Wales preferred, not essential; good references. Hughes, c/o Bryan, Chemist, Penmaenmawr.

QUALIFIED; elderly; active; healthy; good references; much experience; good Prescriber and Dispenser; Locum, whole or part time; disengaged. 137/18, Office of this Paper.

QUALIFIED Manager or Assistant, 25, with 10 years' good-class London experience in Dispensing and Photography, desires post in or near London; highest references; disengaged June 14. "A. A.," 14 Ommaney Road, S.E.14.

QUALIFIED lady desires situation; permanent or Locum; high-class Dispensing experience, Counter and Photographic; disengaged very shortly. 138/16, Office of this Paper.

QUALIFIED, married, 28, at present managing business in the North, desires change; permanency; good-class business on South Coast where time will be fully occupied. 138/20, Office of this Paper.

QUALIFIED; 25; three years' good London experience as Manager and Assistant; Window-dressing, Dispensing and good Counter; disengaged. Apply 138/33, Office of this Paper.

QUALIFIED, 40, ex-owner, seeks Locum or permanency; all-round experience; reliable references. "Chemist," 38 Colehill Road, Chapel End, Nuneaton.

QUALIFIED Chemist, 22, desires post; permanent; good experience and references. Apply 139/40, Office of this Paper.

UNQUALIFIED Senior or Assistant; age 30; 13 years' good-class, all-round experience; capable Dispenser; permanency; Midlands, Shrewsbury district, preferred. C. T. Perkins, Y.M.C.A. Hostel, Coventry.

VERY experienced man, best Pharmacies, Counter, Dispensing, seeks permanency; credentials guaranteed; single; abstainer. "Counterman," 3 Castle Road, Studley, Warwickshire.

WANTED, temporary engagement or Locum work, July to October; age 25; unqualified; good references; Liverpool and district preferred. "W. E. C.," 123 Granby Street, Liverpool.

YOUNG lady, experienced, Windows, Counter, all branches, City and suburban experience, desires change. "Radix," 347 Station Road, Yardley, Birmingham.

YOUNG, unqualified, good experience, seeks situation; Locum or permanency; disengaged; good references; London only. "Chemist," 99 Bishops Road, Fulham, S.W.6.

WHOLESALE.

A.A.A.A.—YOUNG man, age 22, requires situation with Chemists; experienced Toilet and Medicinal; Knowledge Compressed Tablets; conscientious worker; London preferred; disengaged. P.C.B. 60/11, Office of this Paper.

PROMINENT FIRM OF ENGINEERS

experienced in machinery design, having exceptional equipment for producing precision engineering work, invite enquiry from manufacturers (especially Foodstuffs, Confectionery, Drugs) seeking advice as to **REDUCTION OF COSTS** by introducing machine processes in lieu of hand methods. Will undertake free investigation and estimate for design, manufacture, and installation of suitable plant. Will also estimate and manufacture to clients' drawings. Apply, 172/127, Office of this Paper.

AS Process Worker or Laboratory Assistant, position required, London area; applicant well versed in making Tinctures and Galenical Preparations. Marsh, 106 Borough High Street, S.E.1.

M.P.S., 27 years of age, married, 6 ft. in height, abstainer, would like to join Wholesale House of repute, either indoors or out; excellent references and wide experience of Retail trade. Laurence, 56 Mayfield Avenue, Ealing, W.13.

REPRESENTATIVE with leading Perfumery House, desires change, Proprietary or any well-known product; excellent connection London and Surrey; present appointment four years; highest references; own car if necessary. 172/132, Office of this Paper.

TRAVELLER, with wide connection Chemists and Stores, requires first-class side line on good commission basis. Reply Forester, 4 King Street, Bridgwater.

(COLONIAL, INDIAN AND FOREIGN.)

DEUTSCHER Drogist, 27 Jahre, Gehilfenprüfung, Giftprüfung I-III, Perfect in Drogen-Chemikalien-Farben-Lagerhaltung und -führung, English fließend, Spanisch, gute Vorkenntnisse, Ledig, Treppenfest, Sucht Stellung als Lagerist-Expedient oder Abteilungsleiter, Colonial-länder bevorzugt. Bruno Rasche, Essen-R., Ouckenstrasse 20, Deutschland.

FOR SALE.

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